Full wwPDB NMR Structure Validation Report (i)

Dec 25, 2024 – 01:20 PM EST

PDB ID	:	6OFA
BMRB ID	:	30597
Title	:	Wasabi Receptor Toxin
Authors	:	Lin King, J.V.; Kelly, M.J.S.; Julius, D.
Deposited on	:	2019-03-28

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

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/NMRValidationReportHelp
with specific help available everywhere you see the (i) symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

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

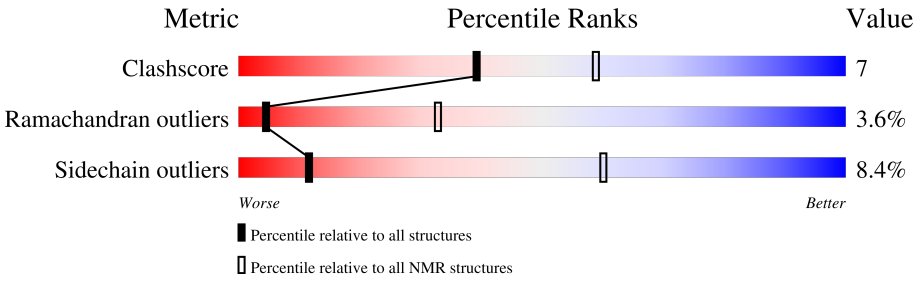
MolProbity	:	4.02b-467
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.40

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
SOLUTION NMR

The overall completeness of chemical shifts assignment is 78%.

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



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	210492	14027
Ramachandran outliers	207382	12486
Sidechain outliers	206894	12463

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

Mol	Chain	Length	Quality of chain
1	A	33	61% 21% • 15%

2 Ensemble composition and analysis (i)

This entry contains 50 models. Model 8 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *closest to the average*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:4-A:31 (28)	0.42	8

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

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

The models can be grouped into 6 clusters and 10 single-model clusters were found.

Cluster number	Models
1	1, 4, 6, 8, 9, 11, 14, 17, 25, 27, 29, 32, 34, 35, 36, 38, 42, 43, 46
2	19, 20, 21, 22, 26, 33, 41, 44, 45
3	5, 7, 23, 24, 28
4	16, 39, 49
5	2, 48
6	12, 50
Single-model clusters	3; 10; 13; 15; 18; 30; 31; 37; 40; 47

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 507 atoms, of which 242 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Wasabi Receptor Toxin.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	33	507	164	242	45	51	5	0

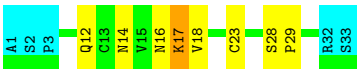
4 Residue-property plots (i)

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Wasabi Receptor Toxin

Chain A:



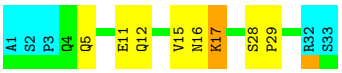
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Wasabi Receptor Toxin

Chain A:



4.2.2 Score per residue for model 2

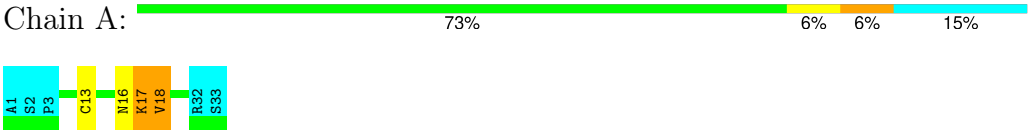
• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.3 Score per residue for model 3

• Molecule 1: Wasabi Receptor Toxin

Chain A:



4.2.4 Score per residue for model 4

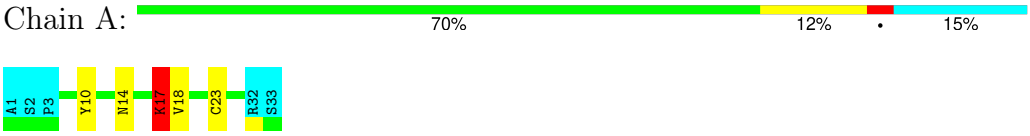
• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.5 Score per residue for model 5

• Molecule 1: Wasabi Receptor Toxin

Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.7 Score per residue for model 7

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.8 Score per residue for model 8 (medoid)

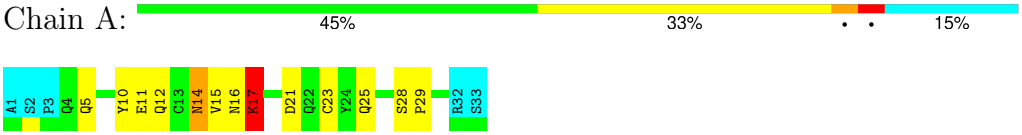
• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.9 Score per residue for model 9

• Molecule 1: Wasabi Receptor Toxin

Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.11 Score per residue for model 11

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.12 Score per residue for model 12

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.13 Score per residue for model 13

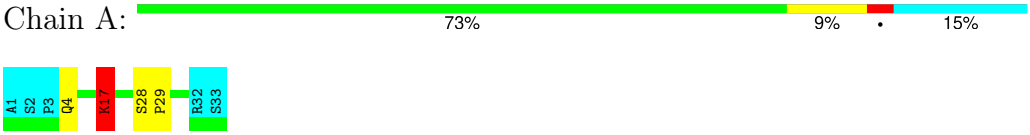
• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.14 Score per residue for model 14

• Molecule 1: Wasabi Receptor Toxin

Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.16 Score per residue for model 16

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.17 Score per residue for model 17

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.18 Score per residue for model 18

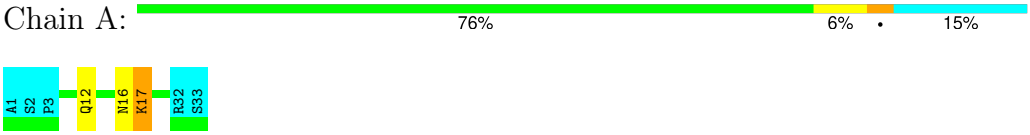
• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.19 Score per residue for model 19

• Molecule 1: Wasabi Receptor Toxin

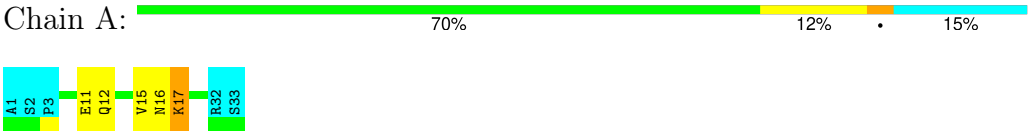
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Wasabi Receptor Toxin

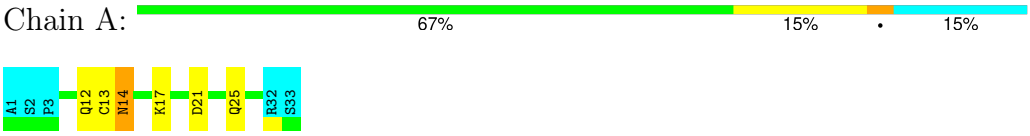
Chain A:



4.2.21 Score per residue for model 21

• Molecule 1: Wasabi Receptor Toxin

Chain A:



4.2.22 Score per residue for model 22

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.23 Score per residue for model 23

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.24 Score per residue for model 24

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.25 Score per residue for model 25

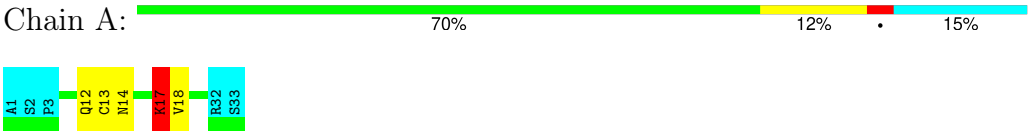
• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.26 Score per residue for model 26

• Molecule 1: Wasabi Receptor Toxin

Chain A:



4.2.27 Score per residue for model 27

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.28 Score per residue for model 28

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.29 Score per residue for model 29

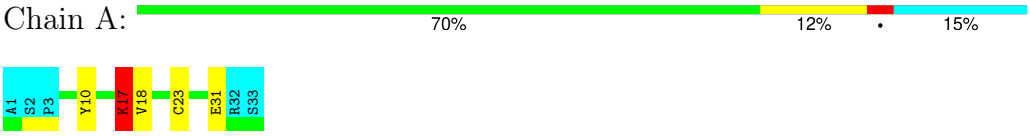
• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.30 Score per residue for model 30

• Molecule 1: Wasabi Receptor Toxin

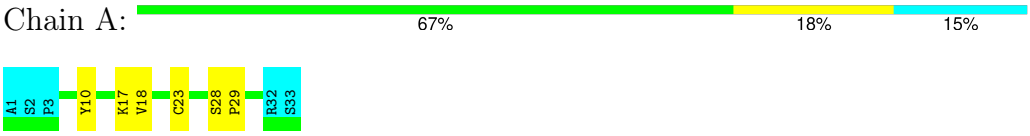
Chain A:



4.2.31 Score per residue for model 31

• Molecule 1: Wasabi Receptor Toxin

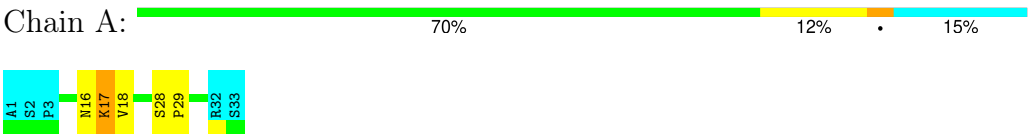
Chain A:



4.2.32 Score per residue for model 32

• Molecule 1: Wasabi Receptor Toxin

Chain A:



4.2.33 Score per residue for model 33

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.34 Score per residue for model 34

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.35 Score per residue for model 35

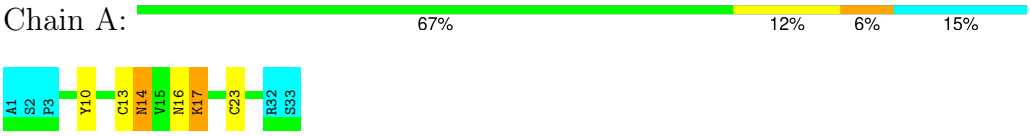
• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.36 Score per residue for model 36

• Molecule 1: Wasabi Receptor Toxin

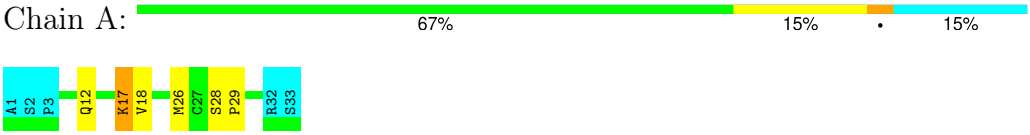
Chain A:



4.2.37 Score per residue for model 37

• Molecule 1: Wasabi Receptor Toxin

Chain A:



4.2.38 Score per residue for model 38

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.39 Score per residue for model 39

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.40 Score per residue for model 40

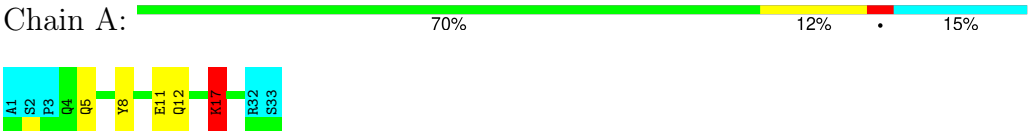
• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.41 Score per residue for model 41

• Molecule 1: Wasabi Receptor Toxin

Chain A:



4.2.42 Score per residue for model 42

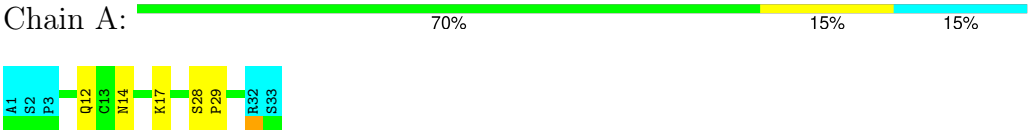
• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.43 Score per residue for model 43

• Molecule 1: Wasabi Receptor Toxin

Chain A:



4.2.44 Score per residue for model 44

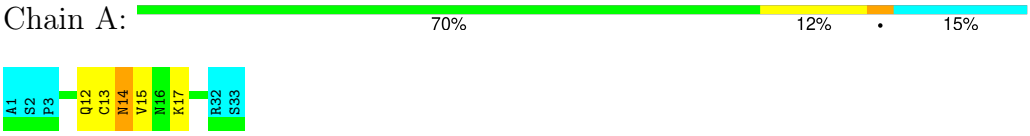
• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.45 Score per residue for model 45

• Molecule 1: Wasabi Receptor Toxin

Chain A:



4.2.46 Score per residue for model 46

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.47 Score per residue for model 47

• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.48 Score per residue for model 48

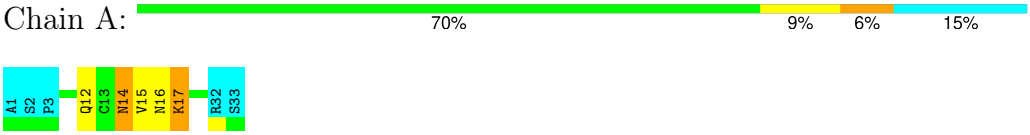
• Molecule 1: Wasabi Receptor Toxin

Chain A:

4.2.49 Score per residue for model 49

• Molecule 1: Wasabi Receptor Toxin

Chain A:



4.2.50 Score per residue for model 50

• Molecule 1: Wasabi Receptor Toxin

Chain A:

5 Refinement protocol and experimental data overview

The models were refined using the following method: *simulated annealing.*

Of the 200 calculated structures, 50 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
ARIA	refinement	
ARIA	structure calculation	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	331
Number of shifts mapped to atoms	331
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	78%

6 Model quality

6.1 Standard geometry

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	231	208	208	3±1
All	All	11550	10400	10400	154

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 7.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:10:TYR:HA	1:A:23:CYS:SG	0.62	2.34	23	23
1:A:28:SER:OG	1:A:29:PRO:HD3	0.60	1.96	38	32
1:A:14:ASN:HD22	1:A:15:VAL:N	0.58	1.96	49	9
1:A:22:GLN:O	1:A:25:GLN:HG2	0.53	2.04	38	3
1:A:8:TYR:O	1:A:11:GLU:HG2	0.52	2.03	41	3
1:A:17:LYS:HG2	1:A:17:LYS:O	0.52	2.05	5	10
1:A:16:ASN:O	1:A:17:LYS:HB2	0.51	2.05	23	19
1:A:16:ASN:O	1:A:17:LYS:HG3	0.51	2.05	13	3
1:A:18:VAL:HB	1:A:22:GLN:OE1	0.50	2.06	47	2
1:A:11:GLU:O	1:A:15:VAL:HG23	0.48	2.09	1	11
1:A:21:ASP:O	1:A:25:GLN:HG3	0.48	2.08	8	3
1:A:17:LYS:O	1:A:17:LYS:HD2	0.47	2.10	14	1
1:A:8:TYR:HA	1:A:11:GLU:OE1	0.46	2.10	41	1
1:A:13:CYS:SG	1:A:14:ASN:N	0.44	2.91	16	15

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:10:TYR:HA	1:A:13:CYS:SG	0.44	2.52	40	1
1:A:27:CYS:O	1:A:30:LEU:HB3	0.44	2.13	39	1
1:A:4:GLN:HE21	1:A:4:GLN:HA	0.43	1.74	8	1
1:A:5:GLN:OE1	1:A:5:GLN:HA	0.42	2.14	10	1
1:A:21:ASP:O	1:A:25:GLN:HG2	0.42	2.14	9	1
1:A:26:MET:O	1:A:29:PRO:HD2	0.42	2.15	37	1
1:A:12:GLN:HE21	1:A:12:GLN:HA	0.42	1.75	44	1
1:A:17:LYS:HD3	1:A:17:LYS:N	0.41	2.30	5	2
1:A:20:PHE:HA	1:A:23:CYS:SG	0.41	2.54	47	1
1:A:13:CYS:HB3	1:A:18:VAL:HG22	0.41	1.91	23	2
1:A:25:GLN:HA	1:A:25:GLN:HE21	0.41	1.76	24	2
1:A:28:SER:HB3	1:A:29:PRO:HD3	0.41	1.91	16	1
1:A:17:LYS:N	1:A:17:LYS:HD3	0.41	2.31	9	1
1:A:4:GLN:HA	1:A:4:GLN:HE21	0.41	1.76	23	2
1:A:16:ASN:O	1:A:17:LYS:HB3	0.40	2.16	9	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	28/33 (85%)	25±1 (90±3%)	2±1 (6±3%)	1±0 (4±0%)	4	33
All	All	1400/1650 (85%)	1263 (90%)	87 (6%)	50 (4%)	4	33

All 1 unique Ramachandran outliers are listed below.

Mol	Chain	Res	Type	Models (Total)
1	A	17	LYS	50

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	27/31 (87%)	25±1 (92±4%)	2±1 (8±4%)	11 60
All	All	1350/1550 (87%)	1236 (92%)	114 (8%)	11 60

All 11 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	12	GLN	36
1	A	18	VAL	26
1	A	14	ASN	14
1	A	17	LYS	12
1	A	4	GLN	9
1	A	5	GLN	4
1	A	25	GLN	4
1	A	31	GLU	4
1	A	16	ASN	2
1	A	11	GLU	2
1	A	23	CYS	1

6.3.3 RNA

There are no RNA molecules in this entry.

6.4 Non-standard residues in protein, DNA, RNA chains

There are no non-standard protein/DNA/RNA residues in this entry.

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 78% for the well-defined parts and 76% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *starch_output*

7.1.1 Bookkeeping

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

Total number of shifts	331
Number of shifts mapped to atoms	331
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	27	-3.31 ± 0.18	Should be checked
$^{13}C_{\beta}$	33	-2.59 ± 0.21	Should be checked
$^{13}C'$	0	—	None (insufficient data)
^{15}N	0	—	None (insufficient data)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 78%, i.e. 290 atoms were assigned a chemical shift out of a possible 373. 0 out of 3 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	76/136 (56%)	54/54 (100%)	22/56 (39%)	0/26 (0%)
Sidechain	180/200 (90%)	126/127 (99%)	54/64 (84%)	0/9 (0%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	34/37 (92%)	17/17 (100%)	17/20 (85%)	0/0 (—%)
Overall	290/373 (78%)	197/198 (99%)	93/140 (66%)	0/35 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 76%, i.e. 331 atoms were assigned a chemical shift out of a possible 433. 0 out of 3 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	89/159 (56%)	62/63 (98%)	27/66 (41%)	0/30 (0%)
Sidechain	208/237 (88%)	145/151 (96%)	63/74 (85%)	0/12 (0%)
Aromatic	34/37 (92%)	17/17 (100%)	17/20 (85%)	0/0 (—%)
Overall	331/433 (76%)	224/231 (97%)	107/160 (67%)	0/42 (0%)

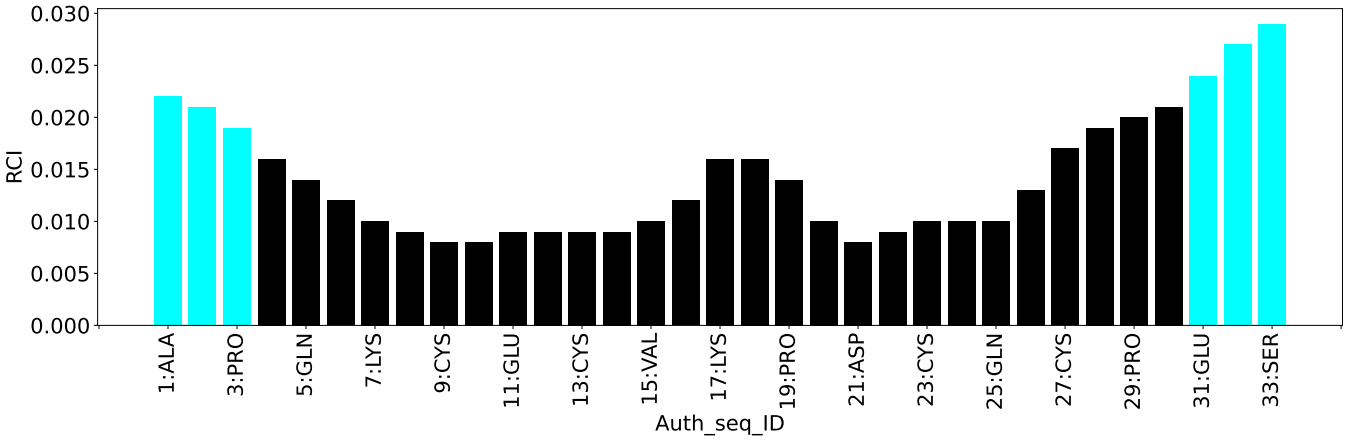
7.1.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	1996
Intra-residue (|i-j|=0)	1222
Sequential (|i-j|=1)	416
Medium range (|i-j|>1 and |i-j|<5)	250
Long range (|i-j|≥5)	106
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	2
Total dihedral-angle restraints	116
Number of unmapped restraints	0
Number of restraints per residue	64.0
Number of long range restraints per residue[1]	3.3

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	154.3	0.2
0.2-0.5 (Medium)	230.3	0.5
>0.5 (Large)	62.8	4.03

8.2.2 Average number of dihedral-angle violations per model (i)

Dihedral-angle violations less than 1° are not included in the calculation.

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	8.7	9.64
10.0-20.0 (Medium)	0.0	10.56
>20.0 (Large)	None	None

9 Distance violation analysis (i)

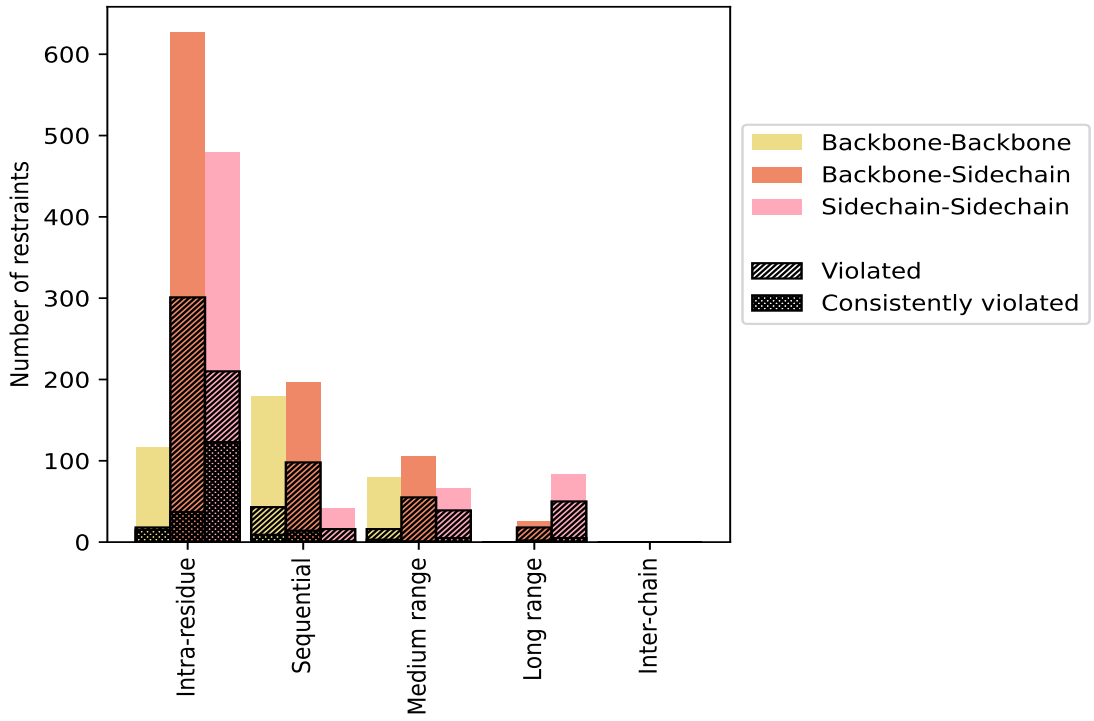
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	1222	61.2	529	43.3	26.5	175	14.3	8.8
Backbone-Backbone	116	5.8	18	15.5	0.9	15	12.9	0.8
Backbone-Sidechain	627	31.4	301	48.0	15.1	37	5.9	1.9
Sidechain-Sidechain	479	24.0	210	43.8	10.5	123	25.7	6.2
Sequential (|i-j|=1)	416	20.8	157	37.7	7.9	24	5.8	1.2
Backbone-Backbone	179	9.0	43	24.0	2.2	9	5.0	0.5
Backbone-Sidechain	196	9.8	98	50.0	4.9	14	7.1	0.7
Sidechain-Sidechain	41	2.1	16	39.0	0.8	1	2.4	0.1
Medium range (|i-j|>1 & |i-j|<5)	250	12.5	110	44.0	5.5	9	3.6	0.5
Backbone-Backbone	79	4.0	16	20.3	0.8	3	3.8	0.2
Backbone-Sidechain	105	5.3	55	52.4	2.8	1	1.0	0.1
Sidechain-Sidechain	66	3.3	39	59.1	2.0	5	7.6	0.3
Long range (|i-j|≥5)	106	5.3	68	64.2	3.4	7	6.6	0.4
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	25	1.3	18	72.0	0.9	2	8.0	0.1
Sidechain-Sidechain	81	4.1	50	61.7	2.5	5	6.2	0.3
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	2	0.1	0	0.0	0.0	0	0.0	0.0
Total	1996	100.0	864	43.3	43.3	215	10.8	10.8
Backbone-Backbone	374	18.7	77	20.6	3.9	27	7.2	1.4
Backbone-Sidechain	953	47.7	472	49.5	23.6	54	5.7	2.7
Sidechain-Sidechain	669	33.5	315	47.1	15.8	134	20.0	6.7

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	304	89	33	20	0	446	0.32	2.27	0.22	0.25
2	328	81	24	17	0	450	0.33	2.42	0.25	0.25
3	320	90	30	21	0	461	0.34	2.4	0.27	0.26
4	327	94	31	30	0	482	0.36	3.4	0.35	0.26
5	330	81	28	35	0	474	0.38	3.4	0.35	0.28
6	324	100	26	27	0	477	0.31	2.45	0.23	0.25
7	310	81	33	21	0	445	0.35	2.6	0.27	0.27
8	310	93	31	21	0	455	0.32	2.29	0.24	0.25
9	309	80	36	25	0	450	0.32	2.28	0.24	0.25
10	309	86	30	25	0	450	0.32	2.36	0.23	0.25

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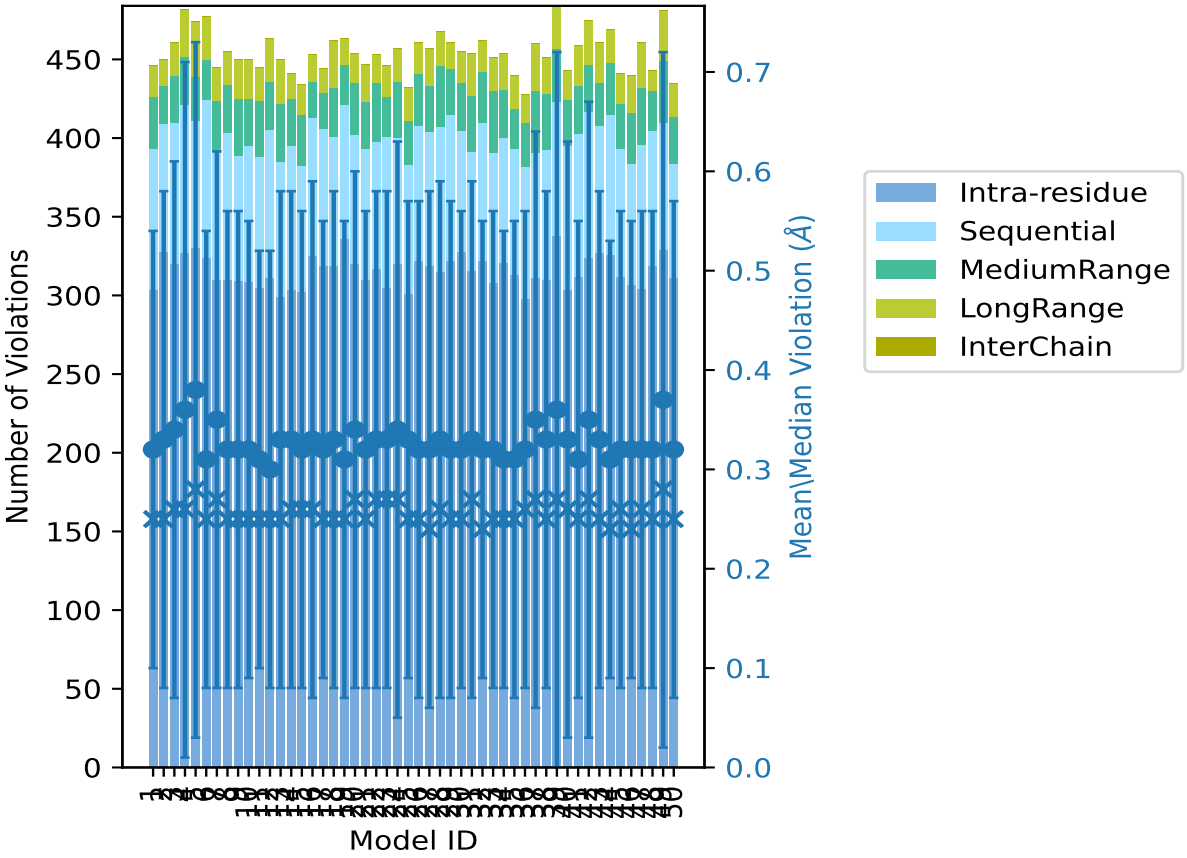
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	305	83	36	21	0	445	0.31	1.76	0.21	0.25
12	311	94	31	27	0	463	0.3	2.11	0.22	0.25
13	299	86	37	28	0	450	0.33	2.52	0.25	0.25
14	304	91	30	16	0	441	0.33	1.97	0.25	0.26
15	302	80	33	19	0	434	0.32	2.02	0.24	0.26
16	325	88	23	17	0	453	0.33	2.5	0.26	0.26
17	319	87	23	15	0	444	0.32	2.1	0.23	0.25
18	319	82	31	30	0	462	0.33	2.12	0.25	0.25
19	336	85	26	16	0	463	0.31	2.31	0.24	0.25
20	320	82	33	19	0	454	0.34	2.38	0.26	0.27
21	310	83	30	24	0	447	0.32	2.19	0.24	0.25
22	317	81	37	18	0	453	0.33	2.13	0.25	0.27
23	305	96	25	20	0	446	0.33	2.34	0.25	0.27
24	320	80	36	21	0	457	0.34	2.51	0.29	0.27
25	301	82	28	21	0	432	0.33	2.36	0.24	0.25
26	322	86	33	20	0	461	0.32	2.3	0.25	0.25
27	319	85	29	24	0	457	0.32	2.53	0.26	0.24
28	315	92	39	22	0	468	0.33	2.36	0.26	0.26
29	322	93	29	17	0	461	0.32	1.98	0.25	0.25
30	328	77	30	20	0	455	0.32	2.39	0.24	0.25
31	316	75	36	27	0	454	0.33	2.19	0.26	0.27
32	322	88	32	20	0	462	0.32	2.16	0.23	0.24
33	308	83	39	21	0	451	0.32	2.38	0.24	0.25
34	321	79	31	23	0	454	0.31	2.31	0.23	0.25
35	313	80	26	21	0	440	0.31	2.55	0.24	0.25
36	298	84	28	18	0	428	0.32	2.25	0.24	0.26
37	311	80	39	30	0	460	0.35	2.28	0.29	0.27
38	310	83	35	23	0	451	0.33	2.3	0.25	0.25
39	338	85	34	27	0	484	0.36	3.51	0.36	0.27
40	304	91	29	19	0	443	0.33	4.03	0.3	0.26
41	312	91	30	26	0	459	0.31	2.33	0.24	0.25
42	324	93	30	28	0	475	0.35	3.16	0.32	0.27
43	327	81	27	26	0	461	0.33	2.51	0.25	0.25
44	326	89	33	21	0	469	0.31	2.12	0.22	0.24
45	312	81	29	19	0	441	0.32	2.49	0.24	0.26
46	307	77	32	24	0	440	0.32	2.0	0.23	0.24
47	304	92	36	29	0	461	0.32	2.51	0.24	0.26
48	319	86	25	13	0	443	0.32	2.47	0.24	0.25
49	329	81	39	32	0	481	0.37	3.27	0.35	0.28
50	311	73	30	21	0	435	0.32	2.25	0.25	0.25

[1]Intra-residue restraints, [2]Sequential restraints, [3]Medium range restraints, [4]Long range restraints,

[5]Inter-chain restraints, [6]Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model



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

9.3 Distance violation statistics for the ensemble

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1130(IR:693, SQ:259, MR:140, LR:38, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
37	13	21	5	0	76	1	2.0
23	3	15	1	0	42	2	4.0
10	2	7	6	0	25	3	6.0
12	9	15	8	0	44	4	8.0

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Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
19	4	2	7	0	32	5	10.0
23	6	3	1	0	33	6	12.0
3	0	4	1	0	8	7	14.0
5	3	0	0	0	8	8	16.0
0	5	0	4	0	9	9	18.0
12	0	2	1	0	15	10	20.0
11	3	2	4	0	20	11	22.0
2	6	1	0	0	9	12	24.0
6	0	0	3	0	9	13	26.0
3	3	0	0	0	6	14	28.0
9	0	4	3	0	16	15	30.0
3	3	0	3	0	9	16	32.0
10	0	0	0	0	10	17	34.0
5	1	0	0	0	6	18	36.0
12	4	2	0	0	18	19	38.0
9	0	1	1	0	11	20	40.0
3	0	1	0	0	4	21	42.0
2	0	0	3	0	5	22	44.0
0	3	0	0	0	3	23	46.0
2	0	4	0	0	6	24	48.0
0	0	0	0	0	0	25	50.0
4	3	0	0	0	7	26	52.0
10	4	0	0	0	14	27	54.0
11	0	1	0	0	12	28	56.0
4	1	3	0	0	8	29	58.0
3	0	1	1	0	5	30	60.0
6	3	1	0	0	10	31	62.0
6	3	0	1	0	10	32	64.0
5	8	0	0	0	13	33	66.0
5	4	0	4	0	13	34	68.0
0	0	1	0	0	1	35	70.0
3	0	0	0	0	3	36	72.0
0	0	0	0	0	0	37	74.0
1	3	1	1	0	6	38	76.0
11	4	0	1	0	16	39	78.0
3	0	0	0	0	3	40	80.0
0	5	0	0	0	5	41	82.0
6	3	0	0	0	9	42	84.0
3	3	0	0	0	6	43	86.0
8	6	0	1	0	15	44	88.0
3	1	1	1	0	6	45	90.0

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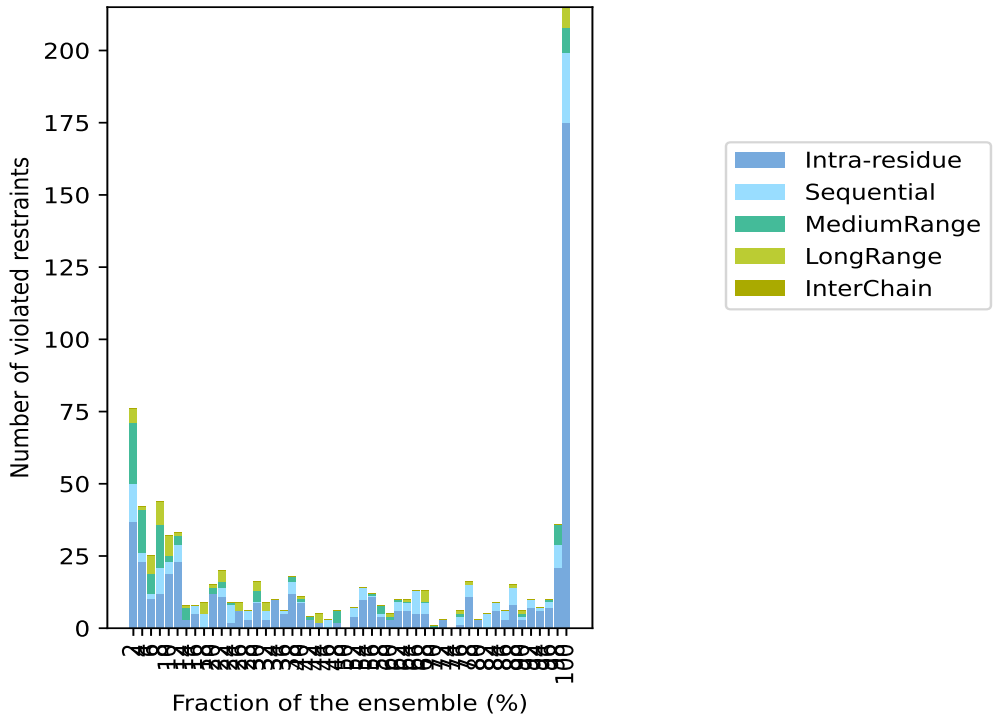
Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
7	3	0	0	0	10	46	92.0
6	1	0	0	0	7	47	94.0
7	2	1	0	0	10	48	96.0
21	8	7	0	0	36	49	98.0
175	24	9	7	0	215	50	100.0

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

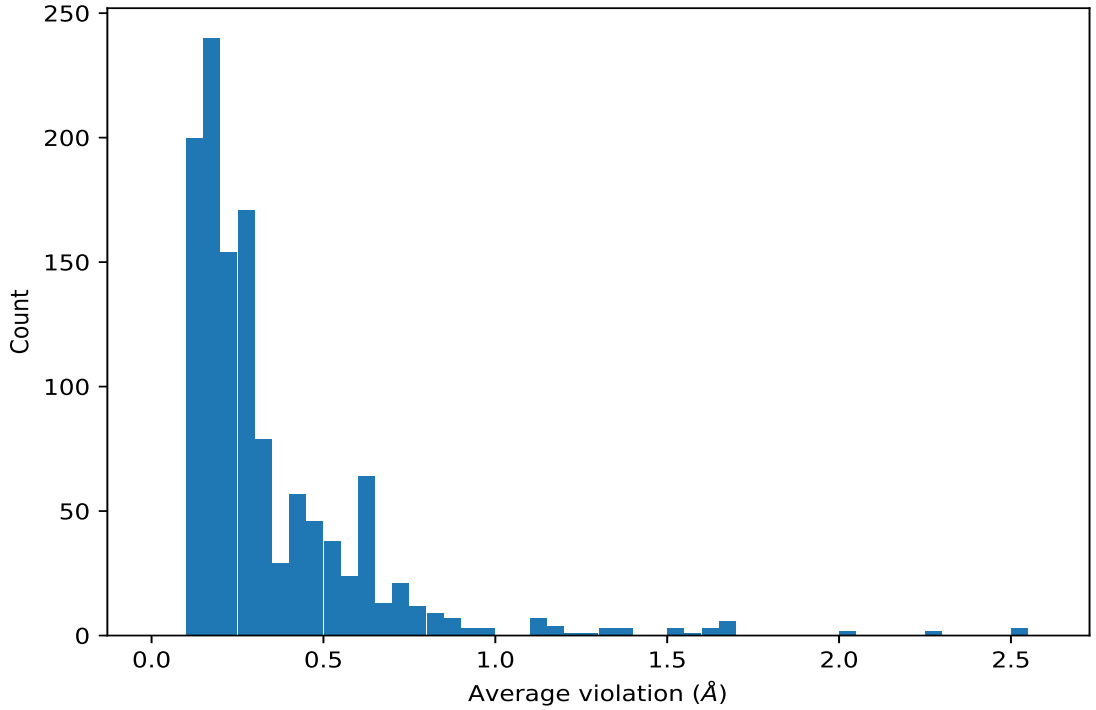
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	50	2.25	0.2	2.28
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	50	2.25	0.2	2.28
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	50	1.6	0.3	1.67
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	50	1.6	0.3	1.67
(1,181)	1:18:A:VAL:HG12	1:16:A:ASN:HB3	50	1.6	0.3	1.67
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	50	1.57	0.31	1.64
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	50	1.33	0.23	1.4
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	50	1.33	0.23	1.4
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	50	1.33	0.23	1.4
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	50	0.79	0.01	0.79
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	50	0.75	0.83	0.34
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	50	0.71	0.15	0.66
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	50	0.71	0.15	0.66
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	50	0.71	0.15	0.66
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	50	0.64	0.08	0.65
(1,389)	1:30:A:LEU:HD12	1:30:A:LEU:H	50	0.64	0.08	0.65

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	50	0.64	0.08	0.65
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	50	0.62	0.14	0.66
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	50	0.62	0.14	0.66
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	50	0.62	0.14	0.66
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	50	0.62	0.14	0.66
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	50	0.62	0.02	0.62
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	50	0.62	0.02	0.62
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	50	0.62	0.02	0.62
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	50	0.61	0.07	0.62
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	50	0.61	0.07	0.62
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	50	0.61	0.07	0.62
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	50	0.61	0.08	0.63
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	50	0.61	0.08	0.63
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	50	0.61	0.08	0.63
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	50	0.52	0.12	0.52
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	50	0.52	0.12	0.52
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	50	0.52	0.12	0.52
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	50	0.52	0.12	0.52
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	50	0.52	0.12	0.52
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	50	0.52	0.12	0.52
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	50	0.52	0.12	0.52
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	50	0.52	0.12	0.52
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	50	0.52	0.12	0.52
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	50	0.52	0.15	0.48
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	50	0.51	0.05	0.5
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	50	0.51	0.05	0.5
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	50	0.51	0.05	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	50	0.5	0.01	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	50	0.5	0.01	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	50	0.5	0.01	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	50	0.5	0.01	0.5
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	50	0.5	0.05	0.5
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	50	0.5	0.05	0.5
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	50	0.5	0.06	0.5
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	50	0.5	0.06	0.5
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	50	0.5	0.06	0.5
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	50	0.49	0.04	0.5
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	50	0.49	0.04	0.5
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	50	0.49	0.04	0.5
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	50	0.48	0.18	0.47
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	50	0.48	0.18	0.47
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	50	0.48	0.18	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	50	0.47	0.03	0.46
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	50	0.47	0.03	0.46
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	50	0.47	0.03	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	50	0.46	0.0	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	50	0.46	0.0	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	50	0.46	0.0	0.46
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	50	0.45	0.06	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	50	0.45	0.06	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	50	0.45	0.06	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	50	0.45	0.06	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	50	0.45	0.06	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	50	0.45	0.06	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	50	0.45	0.06	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	50	0.45	0.06	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	50	0.45	0.06	0.43
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	50	0.45	0.0	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	50	0.45	0.0	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	50	0.45	0.0	0.45
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	50	0.45	0.02	0.45
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	50	0.43	0.01	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	50	0.43	0.01	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	50	0.43	0.01	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	50	0.43	0.02	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	50	0.43	0.02	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	50	0.43	0.02	0.43
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	50	0.41	0.04	0.42
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	50	0.41	0.04	0.42
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	50	0.41	0.04	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	50	0.41	0.02	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	50	0.41	0.02	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	50	0.41	0.02	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	50	0.41	0.02	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	50	0.41	0.02	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	50	0.41	0.02	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	50	0.41	0.02	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	50	0.41	0.02	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	50	0.41	0.02	0.41
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	50	0.4	0.05	0.4
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	50	0.4	0.05	0.4
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	50	0.38	0.03	0.38
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	50	0.33	0.05	0.35
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	50	0.33	0.05	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	50	0.33	0.05	0.35
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	50	0.33	0.0	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	50	0.33	0.0	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	50	0.33	0.0	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	50	0.33	0.0	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	50	0.33	0.0	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	50	0.33	0.0	0.33
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	50	0.33	0.01	0.33
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	50	0.33	0.01	0.33
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	50	0.33	0.01	0.33
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	50	0.31	0.05	0.29
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	50	0.31	0.05	0.29
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	50	0.31	0.05	0.29
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	50	0.31	0.01	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	50	0.31	0.01	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	50	0.31	0.01	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	50	0.31	0.01	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	50	0.31	0.01	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	50	0.31	0.01	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	50	0.3	0.0	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	50	0.3	0.0	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	50	0.3	0.0	0.3
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	50	0.3	0.08	0.29
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	50	0.3	0.03	0.3
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	50	0.3	0.03	0.3
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	50	0.3	0.03	0.3
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	50	0.3	0.05	0.29
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	50	0.3	0.05	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	50	0.29	0.0	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	50	0.29	0.0	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	50	0.29	0.0	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	50	0.29	0.0	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	50	0.29	0.0	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	50	0.29	0.0	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	50	0.29	0.0	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	50	0.29	0.0	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	50	0.29	0.0	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	50	0.29	0.0	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	50	0.29	0.0	0.29
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	50	0.28	0.0	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	50	0.28	0.0	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	50	0.28	0.0	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	50	0.27	0.0	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	50	0.27	0.0	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	50	0.27	0.0	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	50	0.27	0.0	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	50	0.27	0.0	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	50	0.27	0.0	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	50	0.27	0.0	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	50	0.27	0.0	0.27
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	50	0.26	0.03	0.26
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	50	0.26	0.03	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	50	0.26	0.01	0.26
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	50	0.25	0.0	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	50	0.25	0.0	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	50	0.25	0.0	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	50	0.25	0.0	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	50	0.25	0.0	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	50	0.25	0.0	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	50	0.25	0.0	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	50	0.25	0.0	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	50	0.25	0.0	0.25
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	50	0.24	0.06	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	50	0.24	0.06	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	50	0.24	0.06	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	50	0.24	0.06	0.23
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	50	0.24	0.0	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	50	0.24	0.0	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	50	0.24	0.0	0.24
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	50	0.24	0.04	0.24
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	50	0.24	0.04	0.24
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	50	0.24	0.04	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	50	0.24	0.0	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	50	0.24	0.0	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	50	0.24	0.0	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	50	0.23	0.0	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	50	0.23	0.0	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	50	0.23	0.0	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	50	0.23	0.0	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	50	0.23	0.0	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	50	0.23	0.0	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	50	0.23	0.0	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	50	0.23	0.0	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	50	0.23	0.0	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	50	0.23	0.04	0.23
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	50	0.23	0.04	0.23
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	50	0.23	0.04	0.23
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	50	0.23	0.04	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	50	0.23	0.0	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	50	0.23	0.0	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	50	0.23	0.0	0.23
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	50	0.22	0.01	0.22
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	50	0.22	0.01	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	50	0.22	0.01	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	50	0.22	0.01	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	50	0.22	0.01	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	50	0.22	0.01	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	50	0.22	0.01	0.22
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	50	0.21	0.05	0.21
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	50	0.21	0.05	0.21
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	50	0.21	0.05	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	50	0.21	0.0	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	50	0.21	0.0	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	50	0.21	0.0	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	50	0.2	0.0	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	50	0.2	0.0	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	50	0.2	0.0	0.2
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	50	0.2	0.03	0.2
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	50	0.2	0.03	0.2
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	50	0.2	0.03	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	50	0.2	0.0	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	50	0.2	0.0	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	50	0.2	0.0	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	50	0.2	0.0	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	50	0.2	0.0	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	50	0.2	0.0	0.2
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	50	0.2	0.02	0.2
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	50	0.2	0.02	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	50	0.2	0.0	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	50	0.2	0.0	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	50	0.2	0.0	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	50	0.2	0.0	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	50	0.2	0.0	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	50	0.2	0.0	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	50	0.2	0.0	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	50	0.2	0.0	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	50	0.2	0.0	0.2
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	50	0.19	0.01	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	50	0.19	0.01	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	50	0.19	0.01	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	50	0.19	0.01	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	50	0.19	0.01	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	50	0.19	0.01	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	50	0.19	0.01	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	50	0.19	0.01	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	50	0.19	0.01	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	50	0.19	0.01	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	50	0.19	0.01	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	50	0.19	0.01	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	50	0.19	0.01	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	50	0.19	0.01	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	50	0.19	0.01	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	50	0.19	0.01	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	50	0.19	0.01	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	50	0.19	0.01	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	50	0.19	0.01	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	50	0.19	0.01	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	50	0.19	0.01	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	50	0.19	0.01	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	50	0.19	0.01	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	50	0.19	0.01	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	50	0.19	0.01	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	50	0.19	0.01	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	50	0.19	0.01	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	50	0.19	0.01	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	50	0.19	0.01	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	50	0.19	0.01	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	50	0.19	0.01	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	50	0.19	0.01	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	50	0.19	0.01	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	50	0.19	0.01	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	50	0.19	0.01	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	50	0.19	0.01	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	50	0.18	0.0	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	50	0.18	0.0	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	50	0.18	0.0	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	50	0.18	0.0	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	50	0.18	0.0	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	50	0.18	0.0	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	50	0.18	0.0	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	50	0.18	0.0	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	50	0.18	0.0	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	50	0.18	0.0	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	50	0.18	0.0	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	50	0.18	0.0	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	50	0.18	0.0	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	50	0.18	0.0	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	50	0.18	0.0	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	50	0.18	0.01	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	50	0.18	0.03	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	50	0.18	0.03	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	50	0.18	0.03	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	50	0.18	0.03	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	50	0.18	0.03	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	50	0.18	0.03	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	50	0.18	0.03	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	50	0.18	0.03	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	50	0.18	0.03	0.18
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	50	0.16	0.01	0.16
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	50	0.16	0.03	0.15
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	50	0.16	0.03	0.15
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	50	0.16	0.03	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	50	0.15	0.0	0.15
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	50	0.15	0.02	0.16
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	50	0.15	0.02	0.16
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	50	0.15	0.02	0.16
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	50	0.15	0.0	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	50	0.15	0.0	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	50	0.15	0.0	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	50	0.15	0.0	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	50	0.15	0.0	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	50	0.15	0.0	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	50	0.15	0.0	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	50	0.15	0.0	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	50	0.15	0.0	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	50	0.14	0.01	0.14
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	50	0.11	0.0	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	50	0.11	0.0	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	50	0.11	0.0	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	50	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	50	0.11	0.0	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	50	0.11	0.0	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	50	0.11	0.0	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	50	0.11	0.0	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	50	0.11	0.0	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	50	0.11	0.0	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	50	0.11	0.0	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	50	0.11	0.0	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	50	0.11	0.0	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	50	0.11	0.0	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	50	0.11	0.0	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	50	0.11	0.0	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	50	0.11	0.0	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	50	0.11	0.0	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	50	0.11	0.0	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	50	0.11	0.0	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	50	0.11	0.0	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	50	0.11	0.0	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	50	0.11	0.0	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	50	0.11	0.0	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	50	0.11	0.0	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	50	0.11	0.0	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	50	0.11	0.0	0.11
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	49	1.17	0.74	1.71
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	49	1.16	0.35	1.11
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	49	1.16	0.35	1.11
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	49	1.16	0.35	1.11
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	49	1.1	0.13	1.04
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	49	0.8	0.25	0.84
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	49	0.8	0.25	0.84
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	49	0.8	0.25	0.84
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	49	0.74	0.26	0.73
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	49	0.74	0.26	0.73
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	49	0.71	0.4	0.58
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	49	0.71	0.4	0.58
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	49	0.62	0.14	0.65
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	49	0.62	0.14	0.65
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	49	0.62	0.14	0.65
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	49	0.57	0.03	0.57
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	49	0.57	0.03	0.57
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD21	49	0.57	0.03	0.57
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	49	0.55	0.08	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	49	0.55	0.08	0.57
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	49	0.55	0.08	0.57
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	49	0.32	0.02	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	49	0.32	0.02	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	49	0.32	0.02	0.32
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	49	0.3	0.08	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	49	0.3	0.08	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	49	0.3	0.08	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	49	0.3	0.08	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	49	0.3	0.08	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	49	0.3	0.08	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	49	0.3	0.08	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	49	0.3	0.08	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	49	0.3	0.08	0.29
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	49	0.29	0.1	0.28
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	49	0.29	0.1	0.28
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	49	0.28	0.06	0.28
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	49	0.28	0.06	0.28
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	49	0.28	0.06	0.28
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	49	0.28	0.07	0.27
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	49	0.28	0.07	0.27
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	49	0.28	0.07	0.27
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	49	0.26	0.07	0.26
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	49	0.18	0.02	0.17
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	49	0.18	0.02	0.17
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	49	0.18	0.02	0.17
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	49	0.15	0.02	0.16
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	49	0.14	0.01	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	49	0.14	0.01	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	49	0.14	0.01	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	49	0.14	0.02	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	49	0.14	0.02	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	49	0.14	0.02	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	49	0.14	0.02	0.14
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	48	1.21	0.14	1.21
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	48	0.48	0.01	0.48
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	48	0.47	0.17	0.5
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	48	0.47	0.17	0.5
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG21	48	0.47	0.17	0.5
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	48	0.41	0.02	0.42
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	48	0.41	0.02	0.42
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	48	0.41	0.02	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	48	0.33	0.09	0.36
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	48	0.33	0.09	0.36
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	48	0.33	0.09	0.36
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	48	0.25	0.05	0.25
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	48	0.25	0.05	0.25
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	48	0.25	0.05	0.25
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	47	0.31	0.13	0.32
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	47	0.3	0.05	0.3
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	47	0.3	0.05	0.3
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	47	0.3	0.05	0.3
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	47	0.23	0.01	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	47	0.23	0.01	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	47	0.23	0.01	0.23
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	46	0.41	0.03	0.41
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	46	0.41	0.03	0.41
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	46	0.41	0.03	0.41
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	46	0.3	0.02	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	46	0.3	0.02	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	46	0.3	0.02	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	46	0.3	0.02	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	46	0.3	0.02	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	46	0.3	0.02	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	46	0.3	0.02	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	46	0.3	0.02	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	46	0.3	0.02	0.31
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	46	0.21	0.04	0.21
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	46	0.15	0.03	0.14
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	46	0.15	0.03	0.14
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	46	0.15	0.03	0.14
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	45	0.48	0.14	0.51
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	45	0.35	0.1	0.36
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	45	0.35	0.1	0.36
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	45	0.35	0.1	0.36
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	45	0.3	0.03	0.3
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	45	0.24	0.07	0.24
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	45	0.24	0.07	0.24
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	45	0.24	0.07	0.24
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	45	0.24	0.07	0.24
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	45	0.12	0.01	0.13
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	44	0.61	0.04	0.61
(1,112)	1:30:A:LEU:HD12	1:30:A:LEU:HA	44	0.61	0.04	0.61
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	44	0.61	0.04	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	44	0.58	0.2	0.51
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	44	0.58	0.2	0.51
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	44	0.58	0.2	0.51
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG22	44	0.28	0.13	0.25
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG21	44	0.28	0.13	0.25
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG22	44	0.28	0.13	0.25
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG23	44	0.28	0.13	0.25
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG23	44	0.28	0.13	0.25
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG21	44	0.28	0.13	0.25
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG21	44	0.28	0.13	0.25
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG23	44	0.28	0.13	0.25
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG22	44	0.28	0.13	0.25
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	44	0.26	0.07	0.26
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	44	0.26	0.07	0.26
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	44	0.26	0.07	0.26
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	44	0.24	0.03	0.24
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	44	0.24	0.03	0.24
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	44	0.24	0.03	0.24
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	44	0.18	0.02	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	44	0.18	0.02	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	44	0.18	0.02	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	44	0.18	0.02	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	44	0.18	0.02	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	44	0.18	0.02	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	44	0.18	0.02	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	44	0.18	0.02	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	44	0.18	0.02	0.18
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	44	0.11	0.0	0.11
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	43	0.51	0.06	0.52
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	43	0.51	0.06	0.52
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG21	43	0.51	0.06	0.52
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	43	0.32	0.13	0.33
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	43	0.32	0.13	0.33
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	43	0.32	0.13	0.33
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	43	0.32	0.13	0.33
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	43	0.2	0.04	0.2
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	43	0.2	0.04	0.2
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	43	0.2	0.04	0.2
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	42	0.4	0.1	0.4
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	42	0.4	0.1	0.4
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	42	0.4	0.1	0.4
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	42	0.26	0.03	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	42	0.26	0.03	0.26
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	42	0.26	0.03	0.26
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	42	0.18	0.03	0.18
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	42	0.18	0.03	0.18
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	42	0.18	0.03	0.18
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	41	0.33	0.27	0.19
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG12	41	0.33	0.27	0.19
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	41	0.33	0.27	0.19
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	41	0.2	0.07	0.18
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	41	0.2	0.07	0.18
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	41	0.2	0.07	0.18
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	41	0.17	0.04	0.17
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	40	0.16	0.02	0.16
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	40	0.16	0.02	0.16
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	40	0.16	0.02	0.16
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	39	0.88	0.09	0.88
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	39	0.77	0.15	0.76
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	39	0.77	0.15	0.76
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	39	0.77	0.15	0.76
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	39	0.71	0.26	0.84
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	39	0.71	0.26	0.84
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	39	0.71	0.26	0.84
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	39	0.71	0.26	0.84
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	39	0.41	0.07	0.41
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB3	39	0.41	0.07	0.41
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	39	0.18	0.05	0.18
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	39	0.18	0.05	0.18
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	39	0.18	0.05	0.18
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	39	0.17	0.03	0.16
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	39	0.17	0.03	0.16
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	39	0.17	0.03	0.16
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	39	0.15	0.01	0.15
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	39	0.15	0.01	0.15
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	39	0.15	0.01	0.15
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	38	0.43	0.15	0.46
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	38	0.43	0.15	0.46
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	38	0.33	0.12	0.32
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG11	38	0.33	0.12	0.32
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG12	38	0.33	0.12	0.32
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	38	0.17	0.02	0.18
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HG2	38	0.17	0.02	0.18
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	38	0.14	0.03	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	38	0.14	0.03	0.13
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	38	0.14	0.03	0.13
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	36	0.15	0.03	0.14
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	36	0.15	0.03	0.14
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	36	0.15	0.03	0.14
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	35	0.2	0.05	0.21
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	34	0.57	0.04	0.57
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG12	34	0.38	0.3	0.27
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG13	34	0.38	0.3	0.27
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	34	0.38	0.3	0.27
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	34	0.28	0.11	0.27
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	34	0.28	0.11	0.27
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	34	0.28	0.11	0.27
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	34	0.28	0.11	0.27
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	34	0.28	0.11	0.27
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	34	0.28	0.11	0.27
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	34	0.28	0.11	0.27
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	34	0.28	0.11	0.27
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	34	0.28	0.11	0.27
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	34	0.27	0.08	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	34	0.27	0.08	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	34	0.27	0.08	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	34	0.27	0.08	0.3
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	34	0.18	0.05	0.18
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	34	0.18	0.05	0.18
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	34	0.18	0.05	0.18
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	34	0.18	0.05	0.16
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	34	0.18	0.05	0.16
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	34	0.18	0.05	0.16
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	33	0.55	0.27	0.44
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	33	0.55	0.27	0.44
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	33	0.55	0.27	0.44
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	33	0.55	0.27	0.44
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	33	0.38	0.06	0.38
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	33	0.38	0.06	0.38
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	33	0.38	0.06	0.38
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	33	0.38	0.06	0.38
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	33	0.29	0.17	0.23
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	33	0.23	0.12	0.2
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE3	33	0.23	0.12	0.2
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE1	33	0.23	0.12	0.2
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	33	0.19	0.09	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	33	0.19	0.09	0.15
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	33	0.19	0.09	0.15
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	33	0.18	0.06	0.16
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	33	0.18	0.06	0.16
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	33	0.18	0.06	0.16
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	33	0.18	0.06	0.16
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	33	0.15	0.03	0.15
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	33	0.15	0.03	0.15
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	33	0.15	0.03	0.15
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	33	0.15	0.03	0.15
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	32	0.34	0.06	0.32
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	32	0.34	0.06	0.32
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	32	0.34	0.06	0.32
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	32	0.33	0.08	0.34
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	32	0.33	0.08	0.34
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	32	0.33	0.08	0.34
(1,439)	1:6:A:ALA:HB1	1:31:A:GLU:HB3	32	0.22	0.1	0.19
(1,439)	1:6:A:ALA:HB2	1:31:A:GLU:HB3	32	0.22	0.1	0.19
(1,439)	1:6:A:ALA:HB3	1:31:A:GLU:HB3	32	0.22	0.1	0.19
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	32	0.14	0.02	0.14
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	32	0.14	0.02	0.14
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	32	0.14	0.02	0.14
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	31	0.81	0.01	0.81
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	31	0.29	0.05	0.28
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	31	0.27	0.1	0.3
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	31	0.22	0.1	0.2
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	31	0.22	0.1	0.2
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	31	0.22	0.1	0.2
(1,955)	1:18:A:VAL:HG23	1:22:A:GLN:HB3	31	0.16	0.04	0.15
(1,955)	1:18:A:VAL:HG22	1:22:A:GLN:HB3	31	0.16	0.04	0.15
(1,955)	1:18:A:VAL:HG21	1:22:A:GLN:HB3	31	0.16	0.04	0.15
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	31	0.13	0.03	0.13
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	31	0.13	0.03	0.13
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	31	0.13	0.03	0.13
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	30	0.43	0.07	0.44
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	30	0.43	0.07	0.44
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	30	0.43	0.07	0.44
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	30	0.28	0.09	0.28
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG12	30	0.26	0.15	0.23
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG13	30	0.26	0.15	0.23
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG13	30	0.26	0.15	0.23
(1,194)	1:26:A:MET:HE3	1:18:A:VAL:HG11	30	0.26	0.15	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG12	30	0.26	0.15	0.23
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG11	30	0.26	0.15	0.23
(1,194)	1:26:A:MET:HE3	1:18:A:VAL:HG13	30	0.26	0.15	0.23
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG11	30	0.26	0.15	0.23
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	29	0.69	0.01	0.69
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	29	0.35	0.07	0.34
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	29	0.35	0.07	0.34
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	29	0.35	0.07	0.34
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	29	0.29	0.16	0.24
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	29	0.29	0.16	0.24
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	29	0.29	0.16	0.24
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	29	0.19	0.06	0.17
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	29	0.19	0.06	0.17
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	29	0.19	0.06	0.17
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	28	0.52	0.1	0.52
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	28	0.52	0.1	0.52
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	28	0.52	0.1	0.52
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	28	0.32	0.05	0.34
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	28	0.27	0.04	0.26
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	28	0.27	0.04	0.26
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	28	0.27	0.04	0.26
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG21	28	0.21	0.07	0.19
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG22	28	0.21	0.07	0.19
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG23	28	0.21	0.07	0.19
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	28	0.2	0.07	0.17
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	28	0.2	0.07	0.17
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	28	0.2	0.07	0.17
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	28	0.2	0.07	0.17
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	28	0.16	0.04	0.16
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	28	0.16	0.04	0.16
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	28	0.16	0.04	0.16
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	28	0.16	0.04	0.16
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	27	0.45	0.03	0.44
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG3	27	0.43	0.06	0.45
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	27	0.43	0.06	0.45
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	27	0.3	0.17	0.26
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	27	0.27	0.04	0.29
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	27	0.27	0.04	0.29
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	27	0.17	0.05	0.16
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	27	0.17	0.05	0.16
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	27	0.17	0.05	0.16
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	27	0.16	0.04	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	27	0.16	0.04	0.15
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	27	0.16	0.04	0.15
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	27	0.15	0.03	0.15
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	27	0.15	0.03	0.15
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	27	0.15	0.03	0.15
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	27	0.11	0.01	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	27	0.11	0.01	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	27	0.11	0.01	0.11
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	26	0.52	0.32	0.52
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	26	0.29	0.15	0.24
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	26	0.29	0.15	0.24
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	26	0.29	0.15	0.24
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	26	0.29	0.15	0.24
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	26	0.29	0.15	0.24
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	26	0.29	0.15	0.24
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	26	0.29	0.15	0.24
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	26	0.29	0.15	0.24
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	26	0.29	0.15	0.24
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	26	0.17	0.05	0.16
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	26	0.17	0.05	0.16
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	26	0.17	0.05	0.16
(1,81)	1:24:A:TYR:HD1	1:28:A:SER:HB2	24	0.38	0.19	0.3
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	24	0.38	0.19	0.3
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	24	0.21	0.08	0.2
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	24	0.21	0.08	0.2
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	24	0.21	0.08	0.2
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	24	0.21	0.08	0.2
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	24	0.21	0.08	0.2
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	24	0.21	0.08	0.2
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	24	0.21	0.08	0.2
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	24	0.21	0.08	0.2
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	24	0.21	0.08	0.2
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	24	0.21	0.06	0.24
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	24	0.21	0.06	0.24
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	24	0.21	0.06	0.24
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	24	0.21	0.06	0.24
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	23	0.14	0.02	0.14
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	23	0.14	0.02	0.14
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	23	0.14	0.02	0.14
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	22	0.68	0.13	0.7
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG2	22	0.68	0.13	0.7
(1,111)	1:30:A:LEU:HD23	1:30:A:LEU:HA	22	0.64	0.77	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,111)	1:30:A:LEU:HD22	1:30:A:LEU:HA	22	0.64	0.77	0.18
(1,111)	1:30:A:LEU:HD21	1:30:A:LEU:HA	22	0.64	0.77	0.18
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	22	0.33	0.3	0.18
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	22	0.33	0.3	0.18
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	22	0.33	0.3	0.18
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	22	0.33	0.3	0.18
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	22	0.33	0.3	0.18
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	22	0.33	0.3	0.18
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	22	0.33	0.3	0.18
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	22	0.33	0.3	0.18
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	22	0.33	0.3	0.18
(1,179)	1:18:A:VAL:HG21	1:14:A:ASN:HB3	21	1.13	0.82	0.97
(1,179)	1:18:A:VAL:HG23	1:14:A:ASN:HB3	21	1.13	0.82	0.97
(1,179)	1:18:A:VAL:HG22	1:14:A:ASN:HB3	21	1.13	0.82	0.97
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	21	0.17	0.04	0.16
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	21	0.17	0.04	0.16
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	21	0.17	0.04	0.16
(1,171)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	20	0.75	0.1	0.73
(1,171)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	20	0.75	0.1	0.73
(1,171)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	20	0.75	0.1	0.73
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	20	0.35	0.04	0.34
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	20	0.35	0.04	0.34
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	20	0.35	0.04	0.34
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	20	0.32	0.2	0.22
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	20	0.32	0.2	0.22
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	20	0.32	0.2	0.22
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	20	0.25	0.12	0.23
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	20	0.25	0.12	0.23
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	20	0.25	0.12	0.23
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	20	0.17	0.05	0.18
(1,190)	1:18:A:VAL:HG22	1:22:A:GLN:HG3	19	0.49	0.13	0.47
(1,190)	1:18:A:VAL:HG23	1:22:A:GLN:HG3	19	0.49	0.13	0.47
(1,190)	1:18:A:VAL:HG21	1:22:A:GLN:HG3	19	0.49	0.13	0.47
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	19	0.28	0.13	0.27
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	19	0.25	0.06	0.23
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	19	0.25	0.06	0.23
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	19	0.25	0.06	0.23
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB1	19	0.2	0.08	0.19
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB3	19	0.2	0.08	0.19
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB2	19	0.2	0.08	0.19
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	19	0.15	0.04	0.15
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	19	0.15	0.04	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	19	0.15	0.04	0.15
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	19	0.12	0.01	0.11
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	19	0.12	0.01	0.11
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	19	0.12	0.01	0.11
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	19	0.11	0.01	0.11
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	19	0.11	0.01	0.11
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	19	0.11	0.01	0.11
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	19	0.11	0.01	0.1
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	19	0.11	0.01	0.1
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	19	0.11	0.01	0.1
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	18	0.53	0.05	0.56
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG3	18	0.53	0.05	0.56
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	18	0.45	0.06	0.46
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	18	0.19	0.05	0.17
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	18	0.19	0.05	0.17
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	18	0.19	0.05	0.17
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	18	0.14	0.03	0.12
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	17	0.76	0.04	0.77
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	17	0.76	0.04	0.77
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	17	0.76	0.04	0.77
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	17	0.5	0.08	0.51
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	17	0.5	0.08	0.51
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	17	0.5	0.08	0.51
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG13	17	0.4	0.27	0.28
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG11	17	0.4	0.27	0.28
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG12	17	0.4	0.27	0.28
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	17	0.31	0.06	0.31
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	17	0.31	0.06	0.31
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	17	0.31	0.06	0.31
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	16	0.43	0.03	0.44
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	16	0.43	0.03	0.44
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	16	0.43	0.03	0.44
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	16	0.16	0.04	0.16
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	16	0.16	0.04	0.16
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	16	0.16	0.04	0.16
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	16	0.14	0.03	0.13
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	16	0.14	0.03	0.13
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	16	0.14	0.03	0.13
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	15	0.62	0.47	0.47
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	15	0.62	0.47	0.47
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	15	0.62	0.47	0.47
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	15	0.33	0.13	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	15	0.33	0.13	0.38
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	15	0.33	0.13	0.38
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	15	0.23	0.11	0.18
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	15	0.23	0.11	0.18
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	15	0.23	0.11	0.18
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	15	0.23	0.11	0.18
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	15	0.23	0.11	0.18
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	15	0.23	0.11	0.18
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	15	0.16	0.07	0.15
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	15	0.16	0.07	0.15
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	15	0.16	0.07	0.15
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG13	15	0.15	0.04	0.14
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG11	15	0.15	0.04	0.14
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG12	15	0.15	0.04	0.14
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	15	0.14	0.03	0.13
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	15	0.14	0.03	0.13
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	15	0.14	0.03	0.13
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	14	0.16	0.06	0.14
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	14	0.16	0.06	0.14
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	14	0.16	0.06	0.14
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	14	0.12	0.02	0.12
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	14	0.12	0.02	0.12
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	14	0.12	0.02	0.12
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	13	0.61	0.57	0.18
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	13	0.61	0.57	0.18
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	13	0.61	0.57	0.18
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	13	0.61	0.57	0.18
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	13	0.61	0.57	0.18
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	13	0.61	0.57	0.18
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	13	0.61	0.57	0.18
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	13	0.61	0.57	0.18
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	13	0.61	0.57	0.18
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	13	0.26	0.25	0.18
(1,681)	1:4:A:GLN:HG3	1:4:A:GLN:H	13	0.15	0.02	0.15
(1,681)	1:4:A:GLN:HG2	1:4:A:GLN:H	13	0.15	0.02	0.15
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	13	0.15	0.03	0.14
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	13	0.15	0.03	0.14
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	13	0.15	0.03	0.14
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	13	0.12	0.01	0.11
(1,150)	1:8:A:TYR:HA	1:11:A:GLU:HB2	12	0.58	0.39	0.57
(1,230)	1:25:A:GLN:H	1:25:A:GLN:HG3	12	0.29	0.03	0.3
(1,592)	1:5:A:GLN:H	1:4:A:GLN:H	12	0.13	0.03	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,36)	1:5:A:GLN:H	1:4:A:GLN:H	12	0.13	0.03	0.12
(2,609)	1:5:A:GLN:H	1:4:A:GLN:H	12	0.13	0.03	0.12
(1,997)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	12	0.12	0.01	0.12
(1,855)	1:22:A:GLN:H	1:23:A:CYS:H	12	0.12	0.02	0.11
(2,314)	1:22:A:GLN:H	1:23:A:CYS:H	12	0.12	0.02	0.11
(2,881)	1:22:A:GLN:H	1:23:A:CYS:H	12	0.12	0.02	0.11
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	11	1.52	1.21	1.15
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	11	1.52	1.21	1.15
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	11	1.52	1.21	1.15
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG21	11	1.35	0.44	1.29
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG22	11	1.35	0.44	1.29
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG23	11	1.35	0.44	1.29
(1,669)	1:13:A:CYS:HB2	1:14:A:ASN:H	11	0.87	0.05	0.85
(2,191)	1:13:A:CYS:HB2	1:14:A:ASN:H	11	0.87	0.05	0.85
(2,692)	1:13:A:CYS:HB2	1:14:A:ASN:H	11	0.87	0.05	0.85
(1,550)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	11	0.87	0.06	0.87
(2,195)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	11	0.87	0.06	0.87
(2,560)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	11	0.87	0.06	0.87
(1,404)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	11	0.76	0.04	0.74
(1,173)	1:10:A:TYR:HA	1:13:A:CYS:HB3	11	0.71	0.09	0.67
(1,291)	1:13:A:CYS:H	1:13:A:CYS:HB3	11	0.43	0.01	0.43
(1,584)	1:13:A:CYS:HB2	1:13:A:CYS:H	11	0.43	0.05	0.43
(2,186)	1:13:A:CYS:HB2	1:13:A:CYS:H	11	0.43	0.05	0.43
(2,601)	1:13:A:CYS:HB2	1:13:A:CYS:H	11	0.43	0.05	0.43
(1,775)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	11	0.28	0.02	0.28
(2,221)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	11	0.28	0.02	0.28
(2,800)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	11	0.28	0.02	0.28
(1,578)	1:2:A:SER:HA	1:2:A:SER:HB3	11	0.17	0.04	0.15
(2,2)	1:2:A:SER:HA	1:2:A:SER:HB3	11	0.17	0.04	0.15
(2,595)	1:2:A:SER:HA	1:2:A:SER:HB3	11	0.17	0.04	0.15
(1,777)	1:25:A:GLN:HG3	1:25:A:GLN:H	10	0.62	0.06	0.6
(2,359)	1:25:A:GLN:HG3	1:25:A:GLN:H	10	0.62	0.06	0.6
(2,802)	1:25:A:GLN:HG3	1:25:A:GLN:H	10	0.62	0.06	0.6
(1,136)	1:17:A:LYS:HB2	1:17:A:LYS:HD3	10	0.57	0.03	0.57
(2,668)	1:15:A:VAL:HG21	1:12:A:GLN:HE22	10	0.56	0.52	0.43
(2,668)	1:15:A:VAL:HG22	1:12:A:GLN:HE22	10	0.56	0.52	0.43
(2,668)	1:15:A:VAL:HG23	1:12:A:GLN:HE22	10	0.56	0.52	0.43
(1,82)	1:24:A:TYR:HD1	1:28:A:SER:HB3	10	0.38	0.23	0.28
(1,82)	1:24:A:TYR:HD2	1:28:A:SER:HB3	10	0.38	0.23	0.28
(1,170)	1:31:A:GLU:HA	1:6:A:ALA:HB2	10	0.36	0.22	0.31
(1,170)	1:31:A:GLU:HA	1:6:A:ALA:HB1	10	0.36	0.22	0.31
(1,170)	1:31:A:GLU:HA	1:6:A:ALA:HB3	10	0.36	0.22	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,95)	1:28:A:SER:HA	1:28:A:SER:HB3	10	0.29	0.0	0.29
(1,378)	1:25:A:GLN:HG2	1:25:A:GLN:H	10	0.22	0.08	0.28
(1,636)	1:14:A:ASN:HB2	1:14:A:ASN:H	10	0.17	0.05	0.16
(2,198)	1:14:A:ASN:HB2	1:14:A:ASN:H	10	0.17	0.05	0.16
(2,655)	1:14:A:ASN:HB2	1:14:A:ASN:H	10	0.17	0.05	0.16
(1,679)	1:31:A:GLU:HG3	1:31:A:GLU:H	10	0.12	0.01	0.13
(2,445)	1:31:A:GLU:HG3	1:31:A:GLU:H	10	0.12	0.01	0.13
(2,703)	1:31:A:GLU:HG3	1:31:A:GLU:H	10	0.12	0.01	0.13
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG11	9	0.4	0.09	0.35
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG12	9	0.4	0.09	0.35
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG13	9	0.4	0.09	0.35
(1,571)	1:10:A:TYR:HE1	1:24:A:TYR:HA	9	0.19	0.1	0.14
(1,571)	1:10:A:TYR:HE2	1:24:A:TYR:HA	9	0.19	0.1	0.14
(2,144)	1:10:A:TYR:HE1	1:24:A:TYR:HA	9	0.19	0.1	0.14
(2,144)	1:10:A:TYR:HE2	1:24:A:TYR:HA	9	0.19	0.1	0.14
(2,587)	1:10:A:TYR:HE1	1:24:A:TYR:HA	9	0.19	0.1	0.14
(2,587)	1:10:A:TYR:HE2	1:24:A:TYR:HA	9	0.19	0.1	0.14
(1,540)	1:3:A:PRO:HD3	1:2:A:SER:HA	9	0.14	0.03	0.13
(2,7)	1:3:A:PRO:HD3	1:2:A:SER:HA	9	0.14	0.03	0.13
(2,550)	1:3:A:PRO:HD3	1:2:A:SER:HA	9	0.14	0.03	0.13
(2,312)	1:22:A:GLN:HB2	1:23:A:CYS:H	9	0.12	0.01	0.11
(2,312)	1:22:A:GLN:HB3	1:23:A:CYS:H	9	0.12	0.01	0.11
(2,815)	1:22:A:GLN:HB2	1:23:A:CYS:H	9	0.12	0.01	0.11
(2,815)	1:22:A:GLN:HB3	1:23:A:CYS:H	9	0.12	0.01	0.11
(1,96)	1:28:A:SER:HA	1:28:A:SER:HB2	8	0.39	0.01	0.39
(1,824)	1:2:A:SER:HB2	1:2:A:SER:H	8	0.34	0.06	0.34
(2,5)	1:2:A:SER:HB2	1:2:A:SER:H	8	0.34	0.06	0.34
(2,850)	1:2:A:SER:HB2	1:2:A:SER:H	8	0.34	0.06	0.34
(1,320)	1:28:A:SER:H	1:28:A:SER:HB3	8	0.19	0.01	0.19
(1,590)	1:30:A:LEU:H	1:31:A:GLU:H	8	0.13	0.03	0.12
(2,436)	1:30:A:LEU:H	1:31:A:GLU:H	8	0.13	0.03	0.12
(2,607)	1:30:A:LEU:H	1:31:A:GLU:H	8	0.13	0.03	0.12
(1,165)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	7	2.55	1.28	3.27
(1,165)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	7	2.55	1.28	3.27
(1,165)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	7	2.55	1.28	3.27
(1,83)	1:24:A:TYR:HE2	1:28:A:SER:HB2	7	0.26	0.09	0.26
(1,83)	1:24:A:TYR:HE1	1:28:A:SER:HB2	7	0.26	0.09	0.26
(1,559)	1:13:A:CYS:HB2	1:10:A:TYR:HA	7	0.2	0.08	0.16
(2,181)	1:13:A:CYS:HB2	1:10:A:TYR:HA	7	0.2	0.08	0.16
(2,570)	1:13:A:CYS:HB2	1:10:A:TYR:HA	7	0.2	0.08	0.16
(1,874)	1:18:A:VAL:HG11	1:18:A:VAL:H	7	0.13	0.02	0.13
(1,874)	1:18:A:VAL:HG12	1:18:A:VAL:H	7	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,874)	1:18:A:VAL:HG13	1:18:A:VAL:H	7	0.13	0.02	0.13
(2,246)	1:18:A:VAL:HG11	1:18:A:VAL:H	7	0.13	0.02	0.13
(2,246)	1:18:A:VAL:HG12	1:18:A:VAL:H	7	0.13	0.02	0.13
(2,246)	1:18:A:VAL:HG13	1:18:A:VAL:H	7	0.13	0.02	0.13
(2,900)	1:18:A:VAL:HG11	1:18:A:VAL:H	7	0.13	0.02	0.13
(2,900)	1:18:A:VAL:HG12	1:18:A:VAL:H	7	0.13	0.02	0.13
(2,900)	1:18:A:VAL:HG13	1:18:A:VAL:H	7	0.13	0.02	0.13
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD21	6	0.63	0.07	0.6
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD22	6	0.63	0.07	0.6
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD23	6	0.63	0.07	0.6
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD21	6	0.63	0.07	0.6
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD22	6	0.63	0.07	0.6
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD23	6	0.63	0.07	0.6
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD21	6	0.63	0.07	0.6
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD22	6	0.63	0.07	0.6
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD23	6	0.63	0.07	0.6
(1,116)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	6	0.62	0.07	0.65
(1,116)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	6	0.62	0.07	0.65
(1,116)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	6	0.62	0.07	0.65
(1,414)	1:2:A:SER:HB3	1:5:A:GLN:HB3	6	0.56	0.31	0.57
(1,167)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	6	0.53	0.54	0.18
(1,167)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	6	0.53	0.54	0.18
(1,189)	1:22:A:GLN:HA	1:25:A:GLN:HG2	6	0.46	0.2	0.45
(1,151)	1:8:A:TYR:HA	1:11:A:GLU:HB3	6	0.42	0.32	0.38
(1,922)	1:4:A:GLN:HA	1:4:A:GLN:HG2	6	0.42	0.02	0.42
(1,922)	1:4:A:GLN:HA	1:4:A:GLN:HG3	6	0.42	0.02	0.42
(1,512)	1:30:A:LEU:HB3	1:30:A:LEU:HG	6	0.38	0.08	0.42
(2,420)	1:30:A:LEU:HB3	1:30:A:LEU:HG	6	0.38	0.08	0.42
(2,522)	1:30:A:LEU:HB3	1:30:A:LEU:HG	6	0.38	0.08	0.42
(1,612)	1:30:A:LEU:HB3	1:30:A:LEU:H	6	0.37	0.06	0.38
(2,428)	1:30:A:LEU:HB3	1:30:A:LEU:H	6	0.37	0.06	0.38
(2,631)	1:30:A:LEU:HB3	1:30:A:LEU:H	6	0.37	0.06	0.38
(1,283)	1:11:A:GLU:H	1:11:A:GLU:HB2	6	0.25	0.01	0.25
(1,132)	1:17:A:LYS:HA	1:17:A:LYS:HB2	6	0.22	0.04	0.24
(1,896)	1:10:A:TYR:HD1	1:10:A:TYR:H	6	0.16	0.03	0.16
(1,896)	1:10:A:TYR:HD2	1:10:A:TYR:H	6	0.16	0.03	0.16
(2,138)	1:10:A:TYR:HD1	1:10:A:TYR:H	6	0.16	0.03	0.16
(2,138)	1:10:A:TYR:HD2	1:10:A:TYR:H	6	0.16	0.03	0.16
(2,922)	1:10:A:TYR:HD1	1:10:A:TYR:H	6	0.16	0.03	0.16
(2,922)	1:10:A:TYR:HD2	1:10:A:TYR:H	6	0.16	0.03	0.16
(1,788)	1:17:A:LYS:HB2	1:17:A:LYS:H	6	0.14	0.02	0.14
(2,234)	1:17:A:LYS:HB2	1:17:A:LYS:H	6	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,813)	1:17:A:LYS:HB2	1:17:A:LYS:H	6	0.14	0.02	0.14
(1,835)	1:5:A:GLN:HB2	1:6:A:ALA:H	6	0.14	0.02	0.14
(2,45)	1:5:A:GLN:HB2	1:6:A:ALA:H	6	0.14	0.02	0.14
(2,861)	1:5:A:GLN:HB2	1:6:A:ALA:H	6	0.14	0.02	0.14
(1,605)	1:10:A:TYR:HB2	1:11:A:GLU:H	6	0.12	0.02	0.12
(2,141)	1:10:A:TYR:HB2	1:11:A:GLU:H	6	0.12	0.02	0.12
(2,622)	1:10:A:TYR:HB2	1:11:A:GLU:H	6	0.12	0.02	0.12
(1,883)	1:8:A:TYR:HB2	1:8:A:TYR:H	6	0.12	0.02	0.12
(2,95)	1:8:A:TYR:HB2	1:8:A:TYR:H	6	0.12	0.02	0.12
(2,909)	1:8:A:TYR:HB2	1:8:A:TYR:H	6	0.12	0.02	0.12
(1,400)	1:15:A:VAL:HG12	1:15:A:VAL:HG22	6	0.11	0.01	0.12
(1,400)	1:15:A:VAL:HG13	1:15:A:VAL:HG21	6	0.11	0.01	0.12
(1,400)	1:15:A:VAL:HG11	1:15:A:VAL:HG22	6	0.11	0.01	0.12
(1,400)	1:15:A:VAL:HG13	1:15:A:VAL:HG23	6	0.11	0.01	0.12
(1,400)	1:15:A:VAL:HG11	1:15:A:VAL:HG21	6	0.11	0.01	0.12
(1,400)	1:15:A:VAL:HG13	1:15:A:VAL:HG22	6	0.11	0.01	0.12
(1,162)	1:6:A:ALA:HA	1:30:A:LEU:HD11	5	2.04	0.3	2.02
(1,162)	1:6:A:ALA:HA	1:30:A:LEU:HD12	5	2.04	0.3	2.02
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	5	1.7	0.09	1.73
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	5	1.7	0.09	1.73
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	5	1.7	0.09	1.73
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	5	1.7	0.09	1.73
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	5	1.7	0.09	1.73
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	5	1.7	0.09	1.73
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD11	5	0.72	0.03	0.72
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD12	5	0.72	0.03	0.72
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD13	5	0.72	0.03	0.72
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD11	5	0.72	0.03	0.72
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD12	5	0.72	0.03	0.72
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD13	5	0.72	0.03	0.72
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD11	5	0.72	0.03	0.72
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD12	5	0.72	0.03	0.72
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD13	5	0.72	0.03	0.72
(1,687)	1:32:A:ARG:HA	1:32:A:ARG:H	5	0.57	0.01	0.57
(2,460)	1:32:A:ARG:HA	1:32:A:ARG:H	5	0.57	0.01	0.57
(2,711)	1:32:A:ARG:HA	1:32:A:ARG:H	5	0.57	0.01	0.57
(1,154)	1:23:A:CYS:HB3	1:20:A:PHE:HA	5	0.56	0.06	0.53
(1,183)	1:18:A:VAL:HG21	1:23:A:CYS:HB2	5	0.48	0.05	0.47
(1,183)	1:18:A:VAL:HG23	1:23:A:CYS:HB2	5	0.48	0.05	0.47
(1,183)	1:18:A:VAL:HG22	1:23:A:CYS:HB2	5	0.48	0.05	0.47
(1,709)	1:23:A:CYS:HB2	1:24:A:TYR:H	5	0.48	0.04	0.48
(2,323)	1:23:A:CYS:HB2	1:24:A:TYR:H	5	0.48	0.04	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,733)	1:23:A:CYS:HB2	1:24:A:TYR:H	5	0.48	0.04	0.48
(1,743)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	5	0.44	0.24	0.33
(2,164)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	5	0.44	0.24	0.33
(2,768)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	5	0.44	0.24	0.33
(1,1023)	1:7:A:LYS:HG3	1:7:A:LYS:HD3	5	0.37	0.01	0.37
(1,957)	1:31:A:GLU:HB2	1:30:A:LEU:HD23	5	0.32	0.16	0.25
(1,957)	1:31:A:GLU:HB2	1:30:A:LEU:HD21	5	0.32	0.16	0.25
(1,957)	1:31:A:GLU:HB2	1:30:A:LEU:HD22	5	0.32	0.16	0.25
(1,659)	1:23:A:CYS:HA	1:23:A:CYS:HB3	5	0.27	0.02	0.28
(2,317)	1:23:A:CYS:HA	1:23:A:CYS:HB3	5	0.27	0.02	0.28
(2,682)	1:23:A:CYS:HA	1:23:A:CYS:HB3	5	0.27	0.02	0.28
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	5	0.22	0.02	0.22
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	5	0.22	0.02	0.22
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	5	0.22	0.02	0.22
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	5	0.22	0.02	0.22
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	5	0.22	0.02	0.22
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	5	0.22	0.02	0.22
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	5	0.22	0.02	0.22
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	5	0.22	0.02	0.22
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	5	0.22	0.02	0.22
(1,84)	1:24:A:TYR:HE1	1:28:A:SER:HB3	5	0.2	0.11	0.18
(1,84)	1:24:A:TYR:HE2	1:28:A:SER:HB3	5	0.2	0.11	0.18
(1,1027)	1:30:A:LEU:HB3	1:30:A:LEU:HG	5	0.18	0.01	0.17
(1,554)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	5	0.17	0.06	0.14
(1,554)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	5	0.17	0.06	0.14
(1,554)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	5	0.17	0.06	0.14
(2,65)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	5	0.17	0.06	0.14
(2,65)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	5	0.17	0.06	0.14
(2,65)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	5	0.17	0.06	0.14
(2,564)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	5	0.17	0.06	0.14
(2,564)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	5	0.17	0.06	0.14
(2,564)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	5	0.17	0.06	0.14
(1,86)	1:24:A:TYR:HE2	1:24:A:TYR:HB2	5	0.13	0.02	0.13
(1,86)	1:24:A:TYR:HE1	1:24:A:TYR:HB2	5	0.13	0.02	0.13
(1,218)	1:23:A:CYS:H	1:23:A:CYS:HB3	5	0.11	0.01	0.11
(1,641)	1:4:A:GLN:HG3	1:5:A:GLN:H	4	1.13	0.2	1.06
(2,31)	1:4:A:GLN:HG3	1:5:A:GLN:H	4	1.13	0.2	1.06
(2,660)	1:4:A:GLN:HG3	1:5:A:GLN:H	4	1.13	0.2	1.06
(1,451)	1:12:A:GLN:HE21	1:15:A:VAL:HG22	4	0.99	0.57	0.78
(1,451)	1:12:A:GLN:HE21	1:15:A:VAL:HG23	4	0.99	0.57	0.78
(1,451)	1:12:A:GLN:HE21	1:15:A:VAL:HG21	4	0.99	0.57	0.78
(1,432)	1:26:A:MET:HB3	1:23:A:CYS:HA	4	0.85	0.05	0.85

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,233)	1:26:A:MET:H	1:26:A:MET:HB3	4	0.66	0.01	0.66
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE1	4	0.65	0.01	0.66
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE2	4	0.65	0.01	0.66
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE3	4	0.65	0.01	0.66
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE1	4	0.65	0.01	0.66
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE2	4	0.65	0.01	0.66
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE3	4	0.65	0.01	0.66
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE1	4	0.65	0.01	0.66
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE2	4	0.65	0.01	0.66
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE3	4	0.65	0.01	0.66
(1,831)	1:26:A:MET:HG2	1:26:A:MET:HA	4	0.64	0.01	0.64
(2,371)	1:26:A:MET:HG2	1:26:A:MET:HA	4	0.64	0.01	0.64
(2,857)	1:26:A:MET:HG2	1:26:A:MET:HA	4	0.64	0.01	0.64
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE1	4	0.61	0.01	0.61
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE2	4	0.61	0.01	0.61
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE3	4	0.61	0.01	0.61
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE1	4	0.61	0.01	0.61
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE2	4	0.61	0.01	0.61
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE3	4	0.61	0.01	0.61
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE1	4	0.61	0.01	0.61
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE2	4	0.61	0.01	0.61
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE3	4	0.61	0.01	0.61
(1,782)	1:26:A:MET:HB2	1:27:A:CYS:H	4	0.36	0.14	0.4
(2,377)	1:26:A:MET:HB2	1:27:A:CYS:H	4	0.36	0.14	0.4
(2,807)	1:26:A:MET:HB2	1:27:A:CYS:H	4	0.36	0.14	0.4
(1,544)	1:8:A:TYR:HA	1:11:A:GLU:HB2	4	0.3	0.15	0.26
(2,102)	1:8:A:TYR:HA	1:11:A:GLU:HB2	4	0.3	0.15	0.26
(2,554)	1:8:A:TYR:HA	1:11:A:GLU:HB2	4	0.3	0.15	0.26
(1,381)	1:26:A:MET:HG2	1:26:A:MET:HE2	4	0.25	0.01	0.25
(1,381)	1:26:A:MET:HG2	1:26:A:MET:HE3	4	0.25	0.01	0.25
(1,52)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	4	0.24	0.11	0.21
(1,52)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	4	0.24	0.11	0.21
(1,760)	1:20:A:PHE:HA	1:23:A:CYS:HB2	4	0.19	0.05	0.2
(2,287)	1:20:A:PHE:HA	1:23:A:CYS:HB2	4	0.19	0.05	0.2
(2,785)	1:20:A:PHE:HA	1:23:A:CYS:HB2	4	0.19	0.05	0.2
(1,742)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	4	0.18	0.06	0.16
(1,742)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	4	0.18	0.06	0.16
(2,149)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	4	0.18	0.06	0.16
(2,149)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	4	0.18	0.06	0.16
(2,767)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	4	0.18	0.06	0.16
(2,767)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	4	0.18	0.06	0.16
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG11	4	0.18	0.04	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG12	4	0.18	0.04	0.18
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG13	4	0.18	0.04	0.18
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG11	4	0.18	0.04	0.18
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG12	4	0.18	0.04	0.18
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG13	4	0.18	0.04	0.18
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG11	4	0.18	0.04	0.18
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG12	4	0.18	0.04	0.18
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG13	4	0.18	0.04	0.18
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG11	4	0.18	0.04	0.18
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG12	4	0.18	0.04	0.18
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG13	4	0.18	0.04	0.18
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG11	4	0.18	0.04	0.18
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG12	4	0.18	0.04	0.18
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG13	4	0.18	0.04	0.18
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG11	4	0.18	0.04	0.18
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG12	4	0.18	0.04	0.18
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG13	4	0.18	0.04	0.18
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG11	4	0.18	0.04	0.18
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG12	4	0.18	0.04	0.18
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG13	4	0.18	0.04	0.18
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG11	4	0.18	0.04	0.18
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG12	4	0.18	0.04	0.18
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG13	4	0.18	0.04	0.18
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG11	4	0.18	0.04	0.18
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG12	4	0.18	0.04	0.18
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG13	4	0.18	0.04	0.18
(1,76)	1:24:A:TYR:HD2	1:24:A:TYR:HA	4	0.16	0.04	0.16
(1,76)	1:24:A:TYR:HD1	1:24:A:TYR:HA	4	0.16	0.04	0.16
(1,545)	1:20:A:PHE:HA	1:23:A:CYS:HB3	4	0.16	0.04	0.15
(2,286)	1:20:A:PHE:HA	1:23:A:CYS:HB3	4	0.16	0.04	0.15
(2,555)	1:20:A:PHE:HA	1:23:A:CYS:HB3	4	0.16	0.04	0.15
(1,438)	1:6:A:ALA:HB3	1:31:A:GLU:H	4	0.15	0.03	0.15
(1,438)	1:6:A:ALA:HB2	1:31:A:GLU:H	4	0.15	0.03	0.15
(1,438)	1:6:A:ALA:HB1	1:31:A:GLU:H	4	0.15	0.03	0.15
(1,752)	1:5:A:GLN:HA	1:8:A:TYR:H	4	0.14	0.03	0.14
(2,48)	1:5:A:GLN:HA	1:8:A:TYR:H	4	0.14	0.03	0.14
(2,777)	1:5:A:GLN:HA	1:8:A:TYR:H	4	0.14	0.03	0.14
(1,294)	1:13:A:CYS:H	1:10:A:TYR:HA	4	0.12	0.02	0.12
(1,837)	1:31:A:GLU:H	1:32:A:ARG:H	4	0.12	0.01	0.12
(2,455)	1:31:A:GLU:H	1:32:A:ARG:H	4	0.12	0.01	0.12
(2,863)	1:31:A:GLU:H	1:32:A:ARG:H	4	0.12	0.01	0.12
(1,444)	1:16:A:ASN:HD22	1:12:A:GLN:HB3	3	1.28	0.8	1.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,160)	1:9:A:CYS:HB3	1:27:A:CYS:HB3	3	0.81	0.17	0.7
(1,193)	1:13:A:CYS:HA	1:18:A:VAL:HG23	3	0.5	0.21	0.61
(1,193)	1:13:A:CYS:HA	1:18:A:VAL:HG21	3	0.5	0.21	0.61
(1,500)	1:27:A:CYS:HB2	1:27:A:CYS:HA	3	0.36	0.02	0.36
(2,379)	1:27:A:CYS:HB2	1:27:A:CYS:HA	3	0.36	0.02	0.36
(2,510)	1:27:A:CYS:HB2	1:27:A:CYS:HA	3	0.36	0.02	0.36
(1,943)	1:32:A:ARG:HA	1:32:A:ARG:HD3	3	0.32	0.04	0.32
(1,440)	1:31:A:GLU:HB2	1:30:A:LEU:HD21	3	0.28	0.14	0.27
(1,440)	1:31:A:GLU:HB2	1:30:A:LEU:HD22	3	0.28	0.14	0.27
(1,305)	1:17:A:LYS:H	1:14:A:ASN:HA	3	0.26	0.02	0.28
(1,482)	1:10:A:TYR:HE1	1:27:A:CYS:HB3	3	0.25	0.11	0.23
(1,482)	1:10:A:TYR:HE2	1:27:A:CYS:HB3	3	0.25	0.11	0.23
(2,147)	1:10:A:TYR:HE1	1:27:A:CYS:HB3	3	0.25	0.11	0.23
(2,147)	1:10:A:TYR:HE2	1:27:A:CYS:HB3	3	0.25	0.11	0.23
(2,492)	1:10:A:TYR:HE1	1:27:A:CYS:HB3	3	0.25	0.11	0.23
(2,492)	1:10:A:TYR:HE2	1:27:A:CYS:HB3	3	0.25	0.11	0.23
(2,588)	1:13:A:CYS:HA	1:18:A:VAL:HG21	3	0.19	0.1	0.14
(2,588)	1:13:A:CYS:HA	1:18:A:VAL:HG22	3	0.19	0.1	0.14
(2,588)	1:13:A:CYS:HA	1:18:A:VAL:HG23	3	0.19	0.1	0.14
(1,180)	1:14:A:ASN:HA	1:17:A:LYS:HA	3	0.18	0.06	0.15
(1,1041)	1:4:A:GLN:HG2	1:4:A:GLN:HE21	3	0.18	0.04	0.19
(1,1041)	1:22:A:GLN:HG3	1:25:A:GLN:H	3	0.18	0.04	0.19
(1,712)	1:16:A:ASN:HB2	1:16:A:ASN:H	3	0.14	0.01	0.15
(2,219)	1:16:A:ASN:HB2	1:16:A:ASN:H	3	0.14	0.01	0.15
(2,736)	1:16:A:ASN:HB2	1:16:A:ASN:H	3	0.14	0.01	0.15
(1,976)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	3	0.13	0.02	0.14
(1,420)	1:28:A:SER:HA	1:29:A:PRO:HD3	3	0.11	0.0	0.11
(2,37)	1:5:A:GLN:HG2	1:5:A:GLN:HE22	3	0.11	0.0	0.11
(2,37)	1:5:A:GLN:HG3	1:5:A:GLN:HE22	3	0.11	0.0	0.11
(2,617)	1:5:A:GLN:HG2	1:5:A:GLN:HE22	3	0.11	0.0	0.11
(2,617)	1:5:A:GLN:HG3	1:5:A:GLN:HE22	3	0.11	0.0	0.11
(1,884)	1:8:A:TYR:HE1	1:12:A:GLN:HG3	3	0.11	0.0	0.11
(1,884)	1:8:A:TYR:HE2	1:12:A:GLN:HG3	3	0.11	0.0	0.11
(2,105)	1:8:A:TYR:HE1	1:12:A:GLN:HG3	3	0.11	0.0	0.11
(2,105)	1:8:A:TYR:HE2	1:12:A:GLN:HG3	3	0.11	0.0	0.11
(2,910)	1:8:A:TYR:HE1	1:12:A:GLN:HG3	3	0.11	0.0	0.11
(2,910)	1:8:A:TYR:HE2	1:12:A:GLN:HG3	3	0.11	0.0	0.11
(1,529)	1:17:A:LYS:HD2	1:17:A:LYS:HA	2	0.93	0.03	0.93
(2,228)	1:17:A:LYS:HD2	1:17:A:LYS:HA	2	0.93	0.03	0.93
(2,539)	1:17:A:LYS:HD2	1:17:A:LYS:HA	2	0.93	0.03	0.93
(2,629)	1:16:A:ASN:HB2	1:18:A:VAL:HG11	2	0.84	0.1	0.84
(2,629)	1:16:A:ASN:HB2	1:18:A:VAL:HG12	2	0.84	0.1	0.84

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,629)	1:16:A:ASN:HB2	1:18:A:VAL:HG13	2	0.84	0.1	0.84
(2,79)	1:7:A:LYS:HB3	1:7:A:LYS:HD2	2	0.48	0.02	0.48
(2,79)	1:7:A:LYS:HB3	1:7:A:LYS:HD3	2	0.48	0.02	0.48
(2,479)	1:7:A:LYS:HB3	1:7:A:LYS:HD2	2	0.48	0.02	0.48
(2,479)	1:7:A:LYS:HB3	1:7:A:LYS:HD3	2	0.48	0.02	0.48
(1,77)	1:24:A:TYR:HD1	1:25:A:GLN:HA	2	0.3	0.02	0.3
(1,77)	1:24:A:TYR:HD2	1:25:A:GLN:HA	2	0.3	0.02	0.3
(1,252)	1:2:A:SER:H	1:3:A:PRO:HG3	2	0.28	0.09	0.28
(1,819)	1:16:A:ASN:HB3	1:16:A:ASN:H	2	0.24	0.03	0.24
(2,222)	1:16:A:ASN:HB3	1:16:A:ASN:H	2	0.24	0.03	0.24
(2,845)	1:16:A:ASN:HB3	1:16:A:ASN:H	2	0.24	0.03	0.24
(1,886)	1:8:A:TYR:HA	1:11:A:GLU:HB3	2	0.24	0.11	0.24
(2,104)	1:8:A:TYR:HA	1:11:A:GLU:HB3	2	0.24	0.11	0.24
(2,912)	1:8:A:TYR:HA	1:11:A:GLU:HB3	2	0.24	0.11	0.24
(1,956)	1:22:A:GLN:HA	1:25:A:GLN:HB3	2	0.23	0.01	0.23
(1,491)	1:24:A:TYR:HD1	1:28:A:SER:HB2	2	0.2	0.03	0.2
(1,491)	1:24:A:TYR:HD2	1:28:A:SER:HB2	2	0.2	0.03	0.2
(2,349)	1:24:A:TYR:HD1	1:28:A:SER:HB2	2	0.2	0.03	0.2
(2,349)	1:24:A:TYR:HD2	1:28:A:SER:HB2	2	0.2	0.03	0.2
(2,501)	1:24:A:TYR:HD1	1:28:A:SER:HB2	2	0.2	0.03	0.2
(2,501)	1:24:A:TYR:HD2	1:28:A:SER:HB2	2	0.2	0.03	0.2
(1,159)	1:18:A:VAL:HB	1:19:A:PRO:HD3	2	0.2	0.07	0.2
(1,301)	1:14:A:ASN:H	1:14:A:ASN:HB3	2	0.2	0.0	0.2
(1,695)	1:33:A:SER:HB2	1:33:A:SER:H	2	0.18	0.05	0.18
(1,917)	1:28:A:SER:HB3	1:28:A:SER:H	2	0.18	0.05	0.18
(2,392)	1:28:A:SER:HB3	1:28:A:SER:H	2	0.18	0.05	0.18
(2,943)	1:28:A:SER:HB3	1:28:A:SER:H	2	0.18	0.05	0.18
(1,774)	1:5:A:GLN:HA	1:8:A:TYR:HB2	2	0.18	0.06	0.18
(2,50)	1:5:A:GLN:HA	1:8:A:TYR:HB2	2	0.18	0.06	0.18
(2,799)	1:5:A:GLN:HA	1:8:A:TYR:HB2	2	0.18	0.06	0.18
(2,300)	1:22:A:GLN:HB2	1:18:A:VAL:HG21	2	0.17	0.02	0.17
(2,300)	1:22:A:GLN:HB2	1:18:A:VAL:HG22	2	0.17	0.02	0.17
(2,300)	1:22:A:GLN:HB2	1:18:A:VAL:HG23	2	0.17	0.02	0.17
(2,300)	1:22:A:GLN:HB3	1:18:A:VAL:HG21	2	0.17	0.02	0.17
(2,300)	1:22:A:GLN:HB3	1:18:A:VAL:HG22	2	0.17	0.02	0.17
(2,300)	1:22:A:GLN:HB3	1:18:A:VAL:HG23	2	0.17	0.02	0.17
(2,579)	1:22:A:GLN:HB2	1:18:A:VAL:HG21	2	0.17	0.02	0.17
(2,579)	1:22:A:GLN:HB2	1:18:A:VAL:HG22	2	0.17	0.02	0.17
(2,579)	1:22:A:GLN:HB2	1:18:A:VAL:HG23	2	0.17	0.02	0.17
(2,579)	1:22:A:GLN:HB3	1:18:A:VAL:HG21	2	0.17	0.02	0.17
(2,579)	1:22:A:GLN:HB3	1:18:A:VAL:HG22	2	0.17	0.02	0.17
(2,579)	1:22:A:GLN:HB3	1:18:A:VAL:HG23	2	0.17	0.02	0.17

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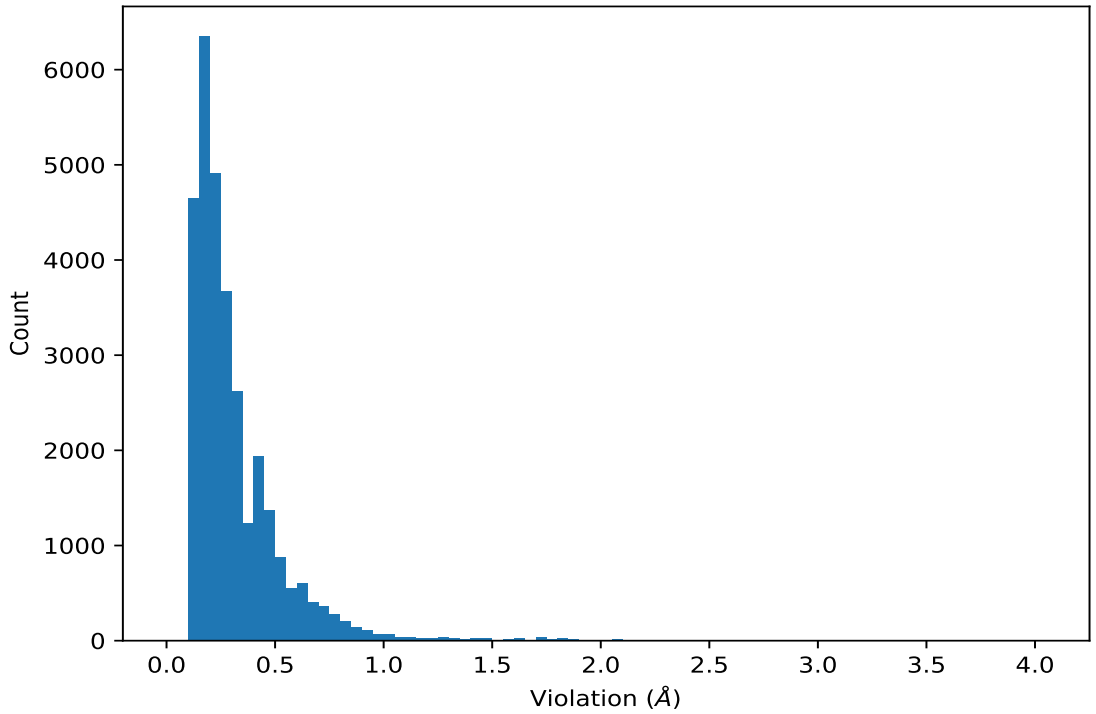
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,53)	1:10:A:TYR:HE1	1:27:A:CYS:HB2	2	0.16	0.04	0.16
(1,40)	1:10:A:TYR:HD1	1:10:A:TYR:HA	2	0.16	0.02	0.16
(1,564)	1:22:A:GLN:HB3	1:18:A:VAL:HG21	2	0.16	0.02	0.16
(1,564)	1:22:A:GLN:HB3	1:18:A:VAL:HG22	2	0.16	0.02	0.16
(1,564)	1:22:A:GLN:HB3	1:18:A:VAL:HG23	2	0.16	0.02	0.16
(1,429)	1:18:A:VAL:HG22	1:22:A:GLN:HG2	2	0.15	0.02	0.15
(1,393)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	2	0.15	0.0	0.15
(1,683)	1:9:A:CYS:HB3	1:9:A:CYS:H	2	0.12	0.01	0.12
(2,113)	1:9:A:CYS:HB3	1:9:A:CYS:H	2	0.12	0.01	0.12
(2,707)	1:9:A:CYS:HB3	1:9:A:CYS:H	2	0.12	0.01	0.12
(1,614)	1:30:A:LEU:HB2	1:30:A:LEU:HA	2	0.12	0.0	0.12
(2,429)	1:30:A:LEU:HB2	1:30:A:LEU:HA	2	0.12	0.0	0.12
(2,633)	1:30:A:LEU:HB2	1:30:A:LEU:HA	2	0.12	0.0	0.12
(2,28)	1:4:A:GLN:HB2	1:4:A:GLN:H	2	0.11	0.01	0.11
(2,28)	1:4:A:GLN:HB3	1:4:A:GLN:H	2	0.11	0.01	0.11
(2,837)	1:4:A:GLN:HB2	1:4:A:GLN:H	2	0.11	0.01	0.11
(2,837)	1:4:A:GLN:HB3	1:4:A:GLN:H	2	0.11	0.01	0.11

[1]Number of violated models, [2]Standard deviation

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:18:A:VAL:HG22	1:14:A:ASN:HB3	40	4.03
(1,165)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	39	3.51
(1,165)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	4	3.4
(1,165)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	5	3.4
(1,165)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	49	3.27
(1,165)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	42	3.16
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	4	2.94
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	39	2.91
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	5	2.77
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	49	2.75
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	42	2.7
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	40	2.62
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	7	2.6
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	35	2.55
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	27	2.53
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	13	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	24	2.51
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	43	2.51
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	47	2.51
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	16	2.5
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	45	2.49
(1,162)	1:6:A:ALA:HA	1:30:A:LEU:HD12	39	2.48
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	48	2.47
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	6	2.45
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	2	2.42
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	3	2.4
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	30	2.39
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	20	2.38
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	33	2.38
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	3	2.37
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	28	2.36
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	10	2.36
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	25	2.36
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	23	2.34
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	24	2.34
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	41	2.33
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	19	2.31
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	34	2.31
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	26	2.3
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	38	2.3
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	49	2.3
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	8	2.29
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	37	2.28
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	9	2.28
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	1	2.27
(1,179)	1:18:A:VAL:HG22	1:14:A:ASN:HB3	24	2.27
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	7	2.26
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	36	2.25
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	50	2.25
(1,162)	1:6:A:ALA:HA	1:30:A:LEU:HD12	5	2.24
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	5	2.22
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	37	2.21
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	39	2.21
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	21	2.19
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	31	2.19
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	13	2.18
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	32	2.16
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	42	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	22	2.13
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	18	2.12
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	31	2.12
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	4	2.12
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	28	2.12
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	44	2.12
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	49	2.12
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	12	2.11
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	17	2.1
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	18	2.09
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	4	2.09
(1,179)	1:18:A:VAL:HG21	1:14:A:ASN:HB3	37	2.09
(1,111)	1:30:A:LEU:HD22	1:30:A:LEU:HA	37	2.09
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG21	24	2.07
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG22	24	2.07
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG23	24	2.07
(2,668)	1:15:A:VAL:HG21	1:12:A:GLN:HE22	49	2.06
(2,668)	1:15:A:VAL:HG22	1:12:A:GLN:HE22	49	2.06
(2,668)	1:15:A:VAL:HG23	1:12:A:GLN:HE22	49	2.06
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	5	2.06
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG21	37	2.05
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG22	37	2.05
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG23	37	2.05
(1,444)	1:16:A:ASN:HD22	1:12:A:GLN:HB3	32	2.03
(1,992)	1:5:A:GLN:HB3	1:8:A:TYR:HA	15	2.02
(1,162)	1:6:A:ALA:HA	1:30:A:LEU:HD12	49	2.02
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	23	2.01
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	46	2.0
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	43	2.0
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	42	2.0
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	15	1.99
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	29	1.98
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	43	1.97
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	14	1.97
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	5	1.94
(1,451)	1:12:A:GLN:HE21	1:15:A:VAL:HG23	49	1.93
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	3	1.93
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	10	1.93
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	30	1.91
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	50	1.9
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	12	1.89
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	50	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:30:A:LEU:HD23	1:30:A:LEU:HA	39	1.89
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	41	1.88
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	26	1.88
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	4	1.87
(1,111)	1:30:A:LEU:HD21	1:30:A:LEU:HA	5	1.87
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	16	1.86
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	20	1.86
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	2	1.85
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	48	1.85
(1,181)	1:18:A:VAL:HG12	1:16:A:ASN:HB3	17	1.85
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	50	1.85
(1,111)	1:30:A:LEU:HD22	1:30:A:LEU:HA	49	1.85
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	35	1.84
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	14	1.84
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	35	1.84
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	36	1.84
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	39	1.84
(1,162)	1:6:A:ALA:HA	1:30:A:LEU:HD11	4	1.83
(1,111)	1:30:A:LEU:HD21	1:30:A:LEU:HA	4	1.83
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	8	1.82
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	47	1.82
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	49	1.82
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	39	1.82
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	39	1.82
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	39	1.82
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	39	1.82
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	39	1.82
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	39	1.82
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	4	1.82
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	37	1.82
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	10	1.81
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	14	1.81
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	29	1.81
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	9	1.81
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	19	1.81
(1,111)	1:30:A:LEU:HD23	1:30:A:LEU:HA	42	1.81
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	16	1.8
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	34	1.8
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	41	1.8
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	38	1.8
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	26	1.8
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	6	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	36	1.79
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	19	1.79
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	21	1.79
(1,181)	1:18:A:VAL:HG12	1:16:A:ASN:HB3	12	1.79
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	21	1.78
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	30	1.77
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	39	1.77
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	8	1.77
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	33	1.77
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	17	1.76
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	42	1.76
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	11	1.76
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	42	1.76
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	16	1.76
(1,181)	1:18:A:VAL:HG12	1:16:A:ASN:HB3	34	1.76
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	21	1.75
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	31	1.75
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	4	1.74
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	4	1.74
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	4	1.74
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	4	1.74
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	4	1.74
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	4	1.74
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	22	1.74
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	24	1.74
(1,181)	1:18:A:VAL:HG12	1:16:A:ASN:HB3	11	1.74
(1,181)	1:18:A:VAL:HG12	1:16:A:ASN:HB3	36	1.74
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	45	1.73
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	5	1.73
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	5	1.73
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	5	1.73
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	5	1.73
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	5	1.73
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	5	1.73
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	1	1.73
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	3	1.73
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	27	1.73
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	35	1.73
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	38	1.73
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	46	1.73
(1,992)	1:5:A:GLN:HB2	1:8:A:TYR:HA	40	1.72
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	49	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	19	1.71
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	45	1.71
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	45	1.71
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	7	1.7
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	14	1.7
(1,181)	1:18:A:VAL:HG12	1:16:A:ASN:HB3	15	1.7
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	20	1.7
(1,181)	1:18:A:VAL:HG12	1:16:A:ASN:HB3	39	1.7
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	15	1.69
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	30	1.69
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	22	1.68
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	47	1.67
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	11	1.66
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	20	1.66
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	39	1.66
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	25	1.65
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	25	1.65
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	4	1.64
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	49	1.64
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	49	1.64
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	49	1.64
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	49	1.64
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	49	1.64
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	49	1.64
(1,444)	1:16:A:ASN:HD22	1:12:A:GLN:HB3	44	1.64
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	42	1.64
(1,162)	1:6:A:ALA:HA	1:30:A:LEU:HD12	42	1.64
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	26	1.63
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	27	1.63
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	48	1.63
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	8	1.63
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	9	1.63
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	3	1.63
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	2	1.62
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	9	1.62
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	38	1.62
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	29	1.62
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	28	1.62
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	32	1.61
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	44	1.61
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG21	7	1.61
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG22	7	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG23	7	1.61
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	27	1.61
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	29	1.61
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	1	1.6
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	46	1.6
(1,181)	1:18:A:VAL:HG12	1:16:A:ASN:HB3	33	1.6
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	2	1.59
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	41	1.59
(1,179)	1:18:A:VAL:HG22	1:14:A:ASN:HB3	7	1.59
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	29	1.58
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	23	1.58
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	24	1.58
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	37	1.58
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	40	1.58
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	33	1.57
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	29	1.57
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	42	1.56
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	42	1.56
(2,626)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	42	1.56
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	42	1.56
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD12	42	1.56
(2,120)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	42	1.56
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	43	1.56
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	22	1.55
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	16	1.55
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	41	1.55
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	4	1.54
(1,181)	1:18:A:VAL:HG12	1:16:A:ASN:HB3	48	1.54
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	9	1.52
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	35	1.52
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	36	1.52
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	45	1.52
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	4	1.52
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	20	1.51
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	21	1.51
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	15	1.5
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	2	1.49
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	14	1.49
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	25	1.49
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	18	1.49
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	21	1.48
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	19	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	27	1.48
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	43	1.48
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	5	1.48
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	40	1.48
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG21	18	1.47
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG22	18	1.47
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG23	18	1.47
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG21	40	1.47
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG22	40	1.47
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG23	40	1.47
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	50	1.47
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	39	1.46
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	39	1.46
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	39	1.46
(2,660)	1:4:A:GLN:HG3	1:5:A:GLN:H	14	1.46
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	39	1.46
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	39	1.46
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	39	1.46
(2,31)	1:4:A:GLN:HG3	1:5:A:GLN:H	14	1.46
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	39	1.46
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	39	1.46
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	39	1.46
(1,641)	1:4:A:GLN:HG3	1:5:A:GLN:H	14	1.46
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	33	1.46
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	28	1.46
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	25	1.44
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	8	1.44
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	1	1.43
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	44	1.42
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	46	1.42
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	4	1.41
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	4	1.41
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	4	1.41
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	4	1.41
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	4	1.41
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	4	1.41
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	4	1.41
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	4	1.41
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	4	1.41
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	46	1.41
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	32	1.41
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	42	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:18:A:VAL:HG12	1:16:A:ASN:HB3	6	1.41
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	18	1.41
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	23	1.4
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	17	1.4
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	7	1.4
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	6	1.39
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	11	1.39
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	22	1.39
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	34	1.39
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	49	1.39
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	26	1.39
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	46	1.38
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	22	1.37
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	22	1.37
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	22	1.37
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	8	1.37
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	47	1.37
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	30	1.36
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	39	1.36
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	11	1.35
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	16	1.35
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	36	1.35
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	28	1.35
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	16	1.35
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	14	1.34
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	30	1.34
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	3	1.34
(1,179)	1:18:A:VAL:HG23	1:14:A:ASN:HB3	18	1.34
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	12	1.33
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	40	1.33
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	26	1.33
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	31	1.33
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	5	1.32
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	5	1.32
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	5	1.32
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	18	1.32
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	31	1.32
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	12	1.32
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	31	1.32
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	37	1.32
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	6	1.31
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	10	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	48	1.31
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	27	1.31
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	4	1.3
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	4	1.3
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	4	1.3
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	20	1.3
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG21	13	1.29
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG22	13	1.29
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG23	13	1.29
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	24	1.29
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	1	1.29
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	5	1.29
(1,167)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	27	1.29
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	5	1.28
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	5	1.28
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	5	1.28
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	49	1.28
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	49	1.28
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	49	1.28
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	5	1.28
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	5	1.28
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	5	1.28
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	49	1.28
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	49	1.28
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	49	1.28
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	5	1.28
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	5	1.28
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	5	1.28
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	49	1.28
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	49	1.28
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	49	1.28
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	19	1.28
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	22	1.28
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	24	1.28
(1,167)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	31	1.28
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	37	1.28
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	38	1.27
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	38	1.27
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	38	1.27
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	7	1.27
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	17	1.27
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	3	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	8	1.26
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	29	1.26
(1,150)	1:8:A:TYR:HA	1:11:A:GLU:HB2	13	1.26
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	13	1.25
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	28	1.25
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	1	1.24
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	7	1.24
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	23	1.24
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	19	1.23
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	36	1.23
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	33	1.22
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	39	1.22
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	18	1.22
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	42	1.21
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	42	1.21
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	42	1.21
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	28	1.21
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	43	1.21
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	28	1.21
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	42	1.21
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	42	1.21
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	42	1.21
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	42	1.21
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	42	1.21
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	42	1.21
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	28	1.21
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	29	1.21
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	36	1.21
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	38	1.21
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	2	1.21
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	45	1.21
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	9	1.2
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	35	1.2
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	38	1.2
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	16	1.19
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	31	1.18
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	27	1.18
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG21	28	1.18
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG22	28	1.18
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG23	28	1.18
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	27	1.18
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	27	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	32	1.17
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	47	1.17
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	47	1.17
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	47	1.17
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG21	31	1.17
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG22	31	1.17
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG23	31	1.17
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	32	1.17
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	32	1.17
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	34	1.17
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	23	1.17
(1,179)	1:18:A:VAL:HG23	1:14:A:ASN:HB3	13	1.17
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	11	1.17
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	34	1.17
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	49	1.17
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	20	1.16
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	15	1.16
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	13	1.15
(2,660)	1:4:A:GLN:HG3	1:5:A:GLN:H	16	1.15
(2,31)	1:4:A:GLN:HG3	1:5:A:GLN:H	16	1.15
(1,641)	1:4:A:GLN:HG3	1:5:A:GLN:H	16	1.15
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	38	1.15
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	37	1.15
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	3	1.14
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	17	1.14
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	41	1.14
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	14	1.14
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	49	1.13
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	26	1.13
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	28	1.13
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	21	1.13
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	27	1.13
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	31	1.13
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	39	1.12
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	39	1.12
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	39	1.12
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	39	1.12
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	39	1.12
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	39	1.12
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	39	1.12
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	39	1.12
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	39	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	33	1.12
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	5	1.11
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	29	1.11
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	29	1.11
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	29	1.11
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	5	1.11
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	5	1.11
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	49	1.11
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	15	1.11
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	39	1.11
(1,179)	1:18:A:VAL:HG21	1:14:A:ASN:HB3	28	1.11
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	24	1.11
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	38	1.1
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	3	1.09
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	7	1.09
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	7	1.09
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	7	1.09
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	23	1.09
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	23	1.09
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	23	1.09
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	26	1.09
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	32	1.09
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	48	1.09
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	4	1.09
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	13	1.09
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	44	1.08
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	33	1.08
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	5	1.07
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	23	1.07
(1,179)	1:18:A:VAL:HG23	1:14:A:ASN:HB3	31	1.07
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG21	5	1.06
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG22	5	1.06
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG23	5	1.06
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	27	1.06
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	14	1.06
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	22	1.06
(1,179)	1:18:A:VAL:HG21	1:14:A:ASN:HB3	5	1.06
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	47	1.06
(1,160)	1:9:A:CYS:HB3	1:27:A:CYS:HB3	43	1.06
(1,151)	1:8:A:TYR:HA	1:11:A:GLU:HB3	13	1.06
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	2	1.05
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	9	1.05
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	10	1.05
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	17	1.05
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	25	1.05
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	43	1.05
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	46	1.05
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	48	1.05
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	50	1.05
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	2	1.05
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	10	1.05
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	43	1.05
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	3	1.05
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	6	1.04
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	20	1.04
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	24	1.04
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	26	1.04
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	34	1.04
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	38	1.04
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	41	1.04
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	44	1.04
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	29	1.03
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	29	1.03
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	29	1.03
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	1	1.03
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	4	1.03
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	7	1.03
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	32	1.03
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	37	1.03
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	39	1.03
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	42	1.03
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	45	1.03
(1,179)	1:18:A:VAL:HG21	1:14:A:ASN:HB3	38	1.03
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	42	1.03
(1,171)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	46	1.03
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	24	1.02
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	24	1.02
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	24	1.02
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	13	1.02
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	15	1.02
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	21	1.02
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	35	1.02
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	47	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	31	1.02
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	7	1.02
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	40	1.02
(1,38)	1:8:A:TYR:HE2	1:12:A:GLN:HG3	49	1.02
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	28	1.01
(2,692)	1:13:A:CYS:HB2	1:14:A:ASN:H	40	1.01
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	13	1.01
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	13	1.01
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	13	1.01
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	21	1.01
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	21	1.01
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	21	1.01
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	33	1.01
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	33	1.01
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	33	1.01
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	35	1.01
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	35	1.01
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	35	1.01
(2,191)	1:13:A:CYS:HB2	1:14:A:ASN:H	40	1.01
(1,669)	1:13:A:CYS:HB2	1:14:A:ASN:H	40	1.01
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	22	1.01
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	23	1.01
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	28	1.01
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	29	1.01
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	33	1.01
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	23	1.01
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	6	1.01
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	25	1.01
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	41	1.01
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	48	1.01
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	5	1.0
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	5	1.0
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	5	1.0
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	5	1.0
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	5	1.0
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	5	1.0
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	5	1.0
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	5	1.0
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	5	1.0
(1,422)	1:12:A:GLN:HE22	1:12:A:GLN:HB2	19	1.0
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	50	1.0
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	39	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	31	0.99
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	31	0.99
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	31	0.99
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	31	0.99
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	8	0.99
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	11	0.99
(1,150)	1:8:A:TYR:HA	1:11:A:GLU:HB2	15	0.99
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG12	5	0.99
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	45	0.98
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	28	0.98
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	28	0.98
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	28	0.98
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	28	0.98
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	30	0.98
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	39	0.97
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	39	0.97
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	39	0.97
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	42	0.97
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	42	0.97
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	42	0.97
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	11	0.97
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	11	0.97
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	11	0.97
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	11	0.97
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	47	0.97
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	40	0.97
(1,451)	1:12:A:GLN:HE21	1:15:A:VAL:HG21	3	0.97
(1,179)	1:18:A:VAL:HG21	1:14:A:ASN:HB3	48	0.97
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	13	0.97
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	26	0.96
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	26	0.96
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	26	0.96
(2,660)	1:4:A:GLN:HG3	1:5:A:GLN:H	6	0.96
(2,660)	1:4:A:GLN:HG3	1:5:A:GLN:H	11	0.96
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	6	0.96
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	21	0.96
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	26	0.96
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG21	3	0.96
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG22	3	0.96
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG23	3	0.96
(2,539)	1:17:A:LYS:HD2	1:17:A:LYS:HA	18	0.96
(2,228)	1:17:A:LYS:HD2	1:17:A:LYS:HA	18	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:4:A:GLN:HG3	1:5:A:GLN:H	6	0.96
(2,31)	1:4:A:GLN:HG3	1:5:A:GLN:H	11	0.96
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	26	0.96
(1,641)	1:4:A:GLN:HG3	1:5:A:GLN:H	6	0.96
(1,641)	1:4:A:GLN:HG3	1:5:A:GLN:H	11	0.96
(1,529)	1:17:A:LYS:HD2	1:17:A:LYS:HA	18	0.96
(1,172)	1:16:A:ASN:HB3	1:13:A:CYS:HA	12	0.96
(1,150)	1:8:A:TYR:HA	1:11:A:GLU:HB2	10	0.96
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	4	0.95
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	4	0.95
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	4	0.95
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	35	0.95
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	9	0.95
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	9	0.95
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	37	0.95
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	37	0.95
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	9	0.95
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	9	0.95
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	37	0.95
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	37	0.95
(1,414)	1:2:A:SER:HB3	1:5:A:GLN:HB3	27	0.95
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	45	0.95
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	18	0.95
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	7	0.94
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	45	0.94
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	45	0.94
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	45	0.94
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	8	0.94
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	16	0.94
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	6	0.94
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	6	0.94
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	6	0.94
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	6	0.94
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	15	0.94
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	46	0.94
(2,768)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	3	0.93
(2,629)	1:16:A:ASN:HB2	1:18:A:VAL:HG11	44	0.93
(2,629)	1:16:A:ASN:HB2	1:18:A:VAL:HG12	44	0.93
(2,629)	1:16:A:ASN:HB2	1:18:A:VAL:HG13	44	0.93
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	49	0.93
(2,560)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	23	0.93
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	15	0.93
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	25	0.93
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	25	0.93
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	15	0.93
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	15	0.93
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	25	0.93
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	25	0.93
(2,195)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	23	0.93
(2,164)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	3	0.93
(1,743)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	3	0.93
(1,550)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	23	0.93
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	24	0.93
(1,179)	1:18:A:VAL:HG23	1:14:A:ASN:HB3	15	0.93
(1,165)	1:9:A:CYS:HB3	1:30:A:LEU:HD11	37	0.93
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	9	0.93
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	27	0.92
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	15	0.92
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	15	0.92
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	15	0.92
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	19	0.92
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	20	0.92
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	33	0.92
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	38	0.92
(2,560)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	13	0.92
(2,560)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	24	0.92
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	34	0.92
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	34	0.92
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	50	0.92
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	50	0.92
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	34	0.92
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	34	0.92
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	50	0.92
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	50	0.92
(2,195)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	13	0.92
(2,195)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	24	0.92
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	27	0.92
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	10	0.92
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	27	0.92
(1,550)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	13	0.92
(1,550)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	24	0.92
(1,432)	1:26:A:MET:HB3	1:23:A:CYS:HA	43	0.92
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	37	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	28	0.92
(1,171)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	36	0.92
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	23	0.92
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	18	0.91
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	24	0.91
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	41	0.91
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	47	0.91
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	14	0.91
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	14	0.91
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	5	0.91
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	5	0.91
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	14	0.91
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	14	0.91
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	5	0.91
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	5	0.91
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	13	0.91
(1,171)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	20	0.91
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	7	0.91
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	2	0.9
(2,692)	1:13:A:CYS:HB2	1:14:A:ASN:H	3	0.9
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	19	0.9
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	19	0.9
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	19	0.9
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	25	0.9
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	25	0.9
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	25	0.9
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	10	0.9
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	36	0.9
(2,560)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	28	0.9
(2,539)	1:17:A:LYS:HD2	1:17:A:LYS:HA	20	0.9
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	26	0.9
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	26	0.9
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	47	0.9
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	47	0.9
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	26	0.9
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	26	0.9
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	47	0.9
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	47	0.9
(2,228)	1:17:A:LYS:HD2	1:17:A:LYS:HA	20	0.9
(2,195)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	28	0.9
(2,191)	1:13:A:CYS:HB2	1:14:A:ASN:H	3	0.9
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	2	0.9
(1,669)	1:13:A:CYS:HB2	1:14:A:ASN:H	3	0.9
(1,550)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	28	0.9
(1,529)	1:17:A:LYS:HD2	1:17:A:LYS:HA	20	0.9
(1,414)	1:2:A:SER:HB3	1:5:A:GLN:HB3	24	0.9
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	31	0.9
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	26	0.89
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	40	0.89
(2,692)	1:13:A:CYS:HB2	1:14:A:ASN:H	5	0.89
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	32	0.89
(2,560)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	3	0.89
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	7	0.89
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	7	0.89
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	33	0.89
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	33	0.89
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	44	0.89
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	44	0.89
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	7	0.89
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	7	0.89
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	33	0.89
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	33	0.89
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	44	0.89
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	44	0.89
(2,195)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	3	0.89
(2,191)	1:13:A:CYS:HB2	1:14:A:ASN:H	5	0.89
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	26	0.89
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	26	0.89
(1,669)	1:13:A:CYS:HB2	1:14:A:ASN:H	5	0.89
(1,550)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	3	0.89
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	5	0.89
(1,173)	1:10:A:TYR:HA	1:13:A:CYS:HB3	13	0.89
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG12	37	0.89
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	2	0.89
(2,692)	1:13:A:CYS:HB2	1:14:A:ASN:H	13	0.88
(2,692)	1:13:A:CYS:HB2	1:14:A:ASN:H	23	0.88
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	1	0.88
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	1	0.88
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	1	0.88
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	2	0.88
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	2	0.88
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	2	0.88
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	1	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,191)	1:13:A:CYS:HB2	1:14:A:ASN:H	13	0.88
(2,191)	1:13:A:CYS:HB2	1:14:A:ASN:H	23	0.88
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	7	0.88
(1,669)	1:13:A:CYS:HB2	1:14:A:ASN:H	13	0.88
(1,669)	1:13:A:CYS:HB2	1:14:A:ASN:H	23	0.88
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	44	0.88
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD11	47	0.88
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG11	40	0.88
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	5	0.88
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	12	0.88
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	13	0.88
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	17	0.88
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	30	0.88
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	46	0.88
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	16	0.87
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	43	0.87
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	45	0.87
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	3	0.87
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	37	0.87
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	15	0.87
(2,560)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	31	0.87
(2,560)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	37	0.87
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	41	0.87
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	41	0.87
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	22	0.87
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	22	0.87
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	24	0.87
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	24	0.87
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	41	0.87
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	41	0.87
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	22	0.87
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	22	0.87
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	24	0.87
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	24	0.87
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	3	0.87
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	37	0.87
(2,195)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	31	0.87
(2,195)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	37	0.87
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	16	0.87
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	43	0.87
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	45	0.87
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	50	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	24	0.87
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	16	0.87
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	43	0.87
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	45	0.87
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	3	0.87
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	37	0.87
(1,550)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	31	0.87
(1,550)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	37	0.87
(1,432)	1:26:A:MET:HB3	1:23:A:CYS:HA	8	0.87
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	40	0.87
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	10	0.87
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	28	0.87
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG22	13	0.87
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	21	0.86
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	29	0.86
(2,817)	1:13:A:CYS:HA	1:18:A:VAL:HB	37	0.86
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	27	0.86
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	27	0.86
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	27	0.86
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	14	0.86
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	17	0.86
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	42	0.86
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	49	0.86
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	49	0.86
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	49	0.86
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	49	0.86
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	21	0.86
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	29	0.86
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	21	0.86
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	29	0.86
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	20	0.86
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	41	0.86
(1,171)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	3	0.86
(2,692)	1:13:A:CYS:HB2	1:14:A:ASN:H	18	0.85
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	34	0.85
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	34	0.85
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	34	0.85
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	41	0.85
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	41	0.85
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	41	0.85
(2,560)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	5	0.85
(2,560)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	10	0.85
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	10	0.85
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	20	0.85
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	20	0.85
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	10	0.85
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	10	0.85
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	20	0.85
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	20	0.85
(2,195)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	5	0.85
(2,195)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	18	0.85
(2,191)	1:13:A:CYS:HB2	1:14:A:ASN:H	18	0.85
(1,669)	1:13:A:CYS:HB2	1:14:A:ASN:H	18	0.85
(1,550)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	5	0.85
(1,550)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	18	0.85
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	5	0.85
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	12	0.85
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	47	0.85
(1,179)	1:18:A:VAL:HG23	1:14:A:ASN:HB3	3	0.85
(1,150)	1:8:A:TYR:HA	1:11:A:GLU:HB2	9	0.85
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	25	0.85
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	39	0.84
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	14	0.84
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	14	0.84
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	18	0.84
(2,692)	1:13:A:CYS:HB2	1:14:A:ASN:H	31	0.84
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	20	0.84
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	20	0.84
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	20	0.84
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	22	0.84
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	22	0.84
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	22	0.84
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	29	0.84
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	34	0.84
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	44	0.84
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	13	0.84
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	13	0.84
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	19	0.84
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	19	0.84
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	38	0.84
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	38	0.84
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	39	0.84
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	39	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	48	0.84
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	48	0.84
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	1	0.84
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	1	0.84
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	40	0.84
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	40	0.84
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	43	0.84
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	43	0.84
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	13	0.84
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	13	0.84
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	19	0.84
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	19	0.84
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	38	0.84
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	38	0.84
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	39	0.84
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	39	0.84
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	48	0.84
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	48	0.84
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	1	0.84
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	1	0.84
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	40	0.84
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	40	0.84
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	43	0.84
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	43	0.84
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	14	0.84
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	14	0.84
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	18	0.84
(2,191)	1:13:A:CYS:HB2	1:14:A:ASN:H	31	0.84
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	39	0.84
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	33	0.84
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	39	0.84
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	18	0.84
(1,669)	1:13:A:CYS:HB2	1:14:A:ASN:H	31	0.84
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	12	0.84
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	18	0.84
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	35	0.84
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	43	0.84
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	50	0.84
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	50	0.84
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG23	37	0.84
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG13	18	0.84
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	19	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	23	0.83
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	29	0.83
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	33	0.83
(2,692)	1:13:A:CYS:HB2	1:14:A:ASN:H	28	0.83
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	6	0.83
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	6	0.83
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	6	0.83
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	27	0.83
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	16	0.83
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	16	0.83
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	16	0.83
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	16	0.83
(2,191)	1:13:A:CYS:HB2	1:14:A:ASN:H	28	0.83
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	23	0.83
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	29	0.83
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	33	0.83
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	37	0.83
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	23	0.83
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	29	0.83
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	33	0.83
(1,669)	1:13:A:CYS:HB2	1:14:A:ASN:H	28	0.83
(1,432)	1:26:A:MET:HB3	1:23:A:CYS:HA	20	0.83
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	31	0.83
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	38	0.83
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	40	0.83
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	20	0.83
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	7	0.83
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	40	0.83
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	19	0.82
(2,692)	1:13:A:CYS:HB2	1:14:A:ASN:H	24	0.82
(2,692)	1:13:A:CYS:HB2	1:14:A:ASN:H	37	0.82
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	4	0.82
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	22	0.82
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	49	0.82
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	49	0.82
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	49	0.82
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	23	0.82
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	23	0.82
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	23	0.82
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	23	0.82
(2,191)	1:13:A:CYS:HB2	1:14:A:ASN:H	24	0.82
(2,191)	1:13:A:CYS:HB2	1:14:A:ASN:H	37	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	19	0.82
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	49	0.82
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	49	0.82
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	49	0.82
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	19	0.82
(1,669)	1:13:A:CYS:HB2	1:14:A:ASN:H	24	0.82
(1,669)	1:13:A:CYS:HB2	1:14:A:ASN:H	37	0.82
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	49	0.82
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	49	0.82
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	49	0.82
(1,404)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	9	0.82
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	21	0.82
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	22	0.82
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	26	0.82
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	27	0.82
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	30	0.82
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	34	0.82
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	37	0.82
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	42	0.82
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	45	0.82
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	12	0.81
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	12	0.81
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	25	0.81
(2,692)	1:13:A:CYS:HB2	1:14:A:ASN:H	7	0.81
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	29	0.81
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	29	0.81
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	8	0.81
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	22	0.81
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	29	0.81
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	29	0.81
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	12	0.81
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	12	0.81
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	25	0.81
(2,191)	1:13:A:CYS:HB2	1:14:A:ASN:H	7	0.81
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	8	0.81
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	22	0.81
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	25	0.81
(1,669)	1:13:A:CYS:HB2	1:14:A:ASN:H	7	0.81
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	8	0.81
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	22	0.81
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	7	0.81
(1,404)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	5	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	1	0.81
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	13	0.81
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	17	0.81
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	19	0.81
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	23	0.81
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	25	0.81
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	32	0.81
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	33	0.81
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	36	0.81
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	39	0.81
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	49	0.81
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	2	0.81
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	24	0.81
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG11	18	0.81
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG21	25	0.81
(1,150)	1:8:A:TYR:HA	1:11:A:GLU:HB2	25	0.81
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	10	0.81
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	12	0.81
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	22	0.8
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	35	0.8
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	26	0.8
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	44	0.8
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	44	0.8
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	44	0.8
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	11	0.8
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	46	0.8
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	47	0.8
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	26	0.8
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	22	0.8
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	35	0.8
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	46	0.8
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	47	0.8
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	22	0.8
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	35	0.8
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	26	0.8
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	46	0.8
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	47	0.8
(1,404)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	47	0.8
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	3	0.8
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	29	0.8
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	31	0.8
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	40	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	47	0.8
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	48	0.8
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	35	0.8
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	6	0.8
(1,173)	1:10:A:TYR:HA	1:13:A:CYS:HB3	5	0.8
(1,171)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	11	0.8
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG11	24	0.8
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	48	0.8
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	14	0.8
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	18	0.8
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	22	0.8
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	30	0.8
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	32	0.8
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	38	0.8
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	39	0.8
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	43	0.8
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	44	0.8
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	49	0.8
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	50	0.8
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	30	0.79
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	32	0.79
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	13	0.79
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	15	0.79
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	46	0.79
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	46	0.79
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	46	0.79
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	2	0.79
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	46	0.79
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	3	0.79
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	3	0.79
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	35	0.79
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	35	0.79
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	42	0.79
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	42	0.79
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	17	0.79
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	17	0.79
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	16	0.79
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	31	0.79
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	3	0.79
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	3	0.79
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	35	0.79
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	35	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	42	0.79
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	42	0.79
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	17	0.79
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	17	0.79
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	13	0.79
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	15	0.79
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	30	0.79
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	32	0.79
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	16	0.79
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	31	0.79
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	40	0.79
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	30	0.79
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	32	0.79
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	13	0.79
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	15	0.79
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	16	0.79
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	31	0.79
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	13	0.79
(1,404)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	41	0.79
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	5	0.79
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	7	0.79
(1,334)	1:4:A:GLN:H	1:4:A:GLN:HB3	15	0.79
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	8	0.79
(1,182)	1:19:A:PRO:HD3	1:18:A:VAL:HG21	24	0.79
(1,150)	1:8:A:TYR:HA	1:11:A:GLU:HB2	41	0.79
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	16	0.79
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	25	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	2	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	3	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	6	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	8	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	9	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	13	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	15	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	20	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	21	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	23	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	26	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	28	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	29	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	33	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	35	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	36	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	41	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	42	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	45	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	46	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	47	0.79
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	48	0.79
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	1	0.78
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	34	0.78
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	42	0.78
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	50	0.78
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	50	0.78
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	50	0.78
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	9	0.78
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	30	0.78
(2,560)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	7	0.78
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	2	0.78
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	2	0.78
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD21	37	0.78
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD22	37	0.78
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD23	37	0.78
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	2	0.78
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	2	0.78
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD21	37	0.78
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD22	37	0.78
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD23	37	0.78
(2,195)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	7	0.78
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	1	0.78
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	34	0.78
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	42	0.78
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	1	0.78
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	34	0.78
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	42	0.78
(1,550)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	7	0.78
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD21	37	0.78
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD22	37	0.78
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD23	37	0.78
(1,432)	1:26:A:MET:HB3	1:23:A:CYS:HA	44	0.78
(1,190)	1:18:A:VAL:HG21	1:22:A:GLN:HG3	10	0.78
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	19	0.78
(1,82)	1:24:A:TYR:HD1	1:28:A:SER:HB3	33	0.78
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	38	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	39	0.78
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	4	0.78
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	11	0.78
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	16	0.78
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	17	0.78
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	19	0.78
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	31	0.78
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	34	0.78
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	50	0.77
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	50	0.77
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	4	0.77
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	21	0.77
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	47	0.77
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	9	0.77
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	12	0.77
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	50	0.77
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	45	0.77
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	45	0.77
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	36	0.77
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	36	0.77
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	20	0.77
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	28	0.77
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	30	0.77
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	45	0.77
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	45	0.77
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	36	0.77
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	36	0.77
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	9	0.77
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	50	0.77
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	50	0.77
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	4	0.77
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	21	0.77
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	47	0.77
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	20	0.77
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	28	0.77
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	30	0.77
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	16	0.77
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	16	0.77
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	35	0.77
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	4	0.77
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	21	0.77
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	47	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	9	0.77
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	20	0.77
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	28	0.77
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	30	0.77
(1,189)	1:22:A:GLN:HA	1:25:A:GLN:HG2	37	0.77
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	25	0.77
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	45	0.77
(1,173)	1:10:A:TYR:HA	1:13:A:CYS:HB3	31	0.77
(1,170)	1:31:A:GLU:HA	1:6:A:ALA:HB3	39	0.77
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG13	24	0.77
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	32	0.77
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	1	0.77
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	5	0.77
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	24	0.77
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	27	0.77
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	37	0.77
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	44	0.76
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	24	0.76
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	2	0.76
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	46	0.76
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	50	0.76
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	33	0.76
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	38	0.76
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	38	0.76
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	38	0.76
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD11	42	0.76
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD12	42	0.76
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD13	42	0.76
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	4	0.76
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	24	0.76
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	33	0.76
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD11	42	0.76
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD12	42	0.76
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD13	42	0.76
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	24	0.76
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	2	0.76
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	46	0.76
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	50	0.76
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	44	0.76
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	4	0.76
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	24	0.76
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	41	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	28	0.76
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	44	0.76
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	24	0.76
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	2	0.76
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	46	0.76
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	50	0.76
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	33	0.76
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD11	42	0.76
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD12	42	0.76
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD13	42	0.76
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	4	0.76
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	24	0.76
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	9	0.76
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	10	0.76
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG21	29	0.76
(1,171)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	8	0.76
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	50	0.76
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	7	0.76
(1,12)	1:19:A:PRO:HD3	1:19:A:PRO:HB2	40	0.76
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	4	0.75
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	4	0.75
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	36	0.75
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	36	0.75
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	44	0.75
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	44	0.75
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	44	0.75
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	7	0.75
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	26	0.75
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	39	0.75
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	45	0.75
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	21	0.75
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	16	0.75
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	16	0.75
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	16	0.75
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	17	0.75
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	17	0.75
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	17	0.75
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	48	0.75
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	48	0.75
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	48	0.75
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	48	0.75
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD11	49	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD12	49	0.75
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD13	49	0.75
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	2	0.75
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	21	0.75
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD11	49	0.75
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD12	49	0.75
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD13	49	0.75
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	4	0.75
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	4	0.75
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	36	0.75
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	36	0.75
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	7	0.75
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	26	0.75
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	39	0.75
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	45	0.75
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	2	0.75
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	44	0.75
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	44	0.75
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	44	0.75
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	39	0.75
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	9	0.75
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	44	0.75
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	44	0.75
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	44	0.75
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	7	0.75
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	26	0.75
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	39	0.75
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	45	0.75
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	21	0.75
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD11	49	0.75
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD12	49	0.75
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD13	49	0.75
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	2	0.75
(1,404)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	30	0.75
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	31	0.75
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	46	0.75
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	31	0.75
(1,171)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	6	0.75
(1,170)	1:31:A:GLU:HA	1:6:A:ALA:HB1	18	0.75
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	10	0.75
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	43	0.75
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	8	0.74
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	35	0.74
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	35	0.74
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	43	0.74
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	43	0.74
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	28	0.74
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	37	0.74
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	1	0.74
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	20	0.74
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	23	0.74
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	28	0.74
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	28	0.74
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	28	0.74
(2,629)	1:16:A:ASN:HB2	1:18:A:VAL:HG11	32	0.74
(2,629)	1:16:A:ASN:HB2	1:18:A:VAL:HG12	32	0.74
(2,629)	1:16:A:ASN:HB2	1:18:A:VAL:HG13	32	0.74
(2,578)	1:13:A:CYS:HB3	1:18:A:VAL:HB	25	0.74
(2,560)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	40	0.74
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	7	0.74
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	1	0.74
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	20	0.74
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	23	0.74
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	8	0.74
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	8	0.74
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	35	0.74
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	35	0.74
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	43	0.74
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	43	0.74
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	28	0.74
(2,195)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	40	0.74
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	37	0.74
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	7	0.74
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	36	0.74
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	13	0.74
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	13	0.74
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	23	0.74
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	28	0.74
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	37	0.74
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	1	0.74
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	20	0.74
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	23	0.74
(1,550)	1:13:A:CYS:HB3	1:23:A:CYS:HB2	40	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	7	0.74
(1,404)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	27	0.74
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	10	0.74
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	10	0.74
(1,389)	1:30:A:LEU:HD12	1:30:A:LEU:H	12	0.74
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	27	0.74
(1,389)	1:30:A:LEU:HD12	1:30:A:LEU:H	47	0.74
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	9	0.74
(1,179)	1:18:A:VAL:HG21	1:14:A:ASN:HB3	2	0.74
(1,173)	1:10:A:TYR:HA	1:13:A:CYS:HB3	7	0.74
(1,171)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	21	0.74
(1,171)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	50	0.74
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG13	37	0.74
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	15	0.74
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	12	0.73
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	39	0.73
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	41	0.73
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	41	0.73
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	41	0.73
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	20	0.73
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	27	0.73
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	48	0.73
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	24	0.73
(2,668)	1:15:A:VAL:HG21	1:12:A:GLN:HE22	31	0.73
(2,668)	1:15:A:VAL:HG22	1:12:A:GLN:HE22	31	0.73
(2,668)	1:15:A:VAL:HG23	1:12:A:GLN:HE22	31	0.73
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	32	0.73
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	32	0.73
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	32	0.73
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	37	0.73
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	37	0.73
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	37	0.73
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	12	0.73
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	39	0.73
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	24	0.73
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	20	0.73
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	27	0.73
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	48	0.73
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	41	0.73
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	41	0.73
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	41	0.73
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	17	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	41	0.73
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	46	0.73
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	12	0.73
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	39	0.73
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	41	0.73
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	41	0.73
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	41	0.73
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	20	0.73
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	27	0.73
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	48	0.73
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	24	0.73
(1,404)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	26	0.73
(1,389)	1:30:A:LEU:HD12	1:30:A:LEU:H	13	0.73
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	18	0.73
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	43	0.73
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	27	0.73
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	3	0.73
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	44	0.73
(1,173)	1:10:A:TYR:HA	1:13:A:CYS:HB3	23	0.73
(1,171)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	1	0.73
(1,171)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	26	0.73
(1,171)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	34	0.73
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	41	0.73
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	37	0.72
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	25	0.72
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	30	0.72
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	23	0.72
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	25	0.72
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	16	0.72
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	16	0.72
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	22	0.72
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	22	0.72
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	29	0.72
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	29	0.72
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	32	0.72
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	32	0.72
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	7	0.72
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	4	0.72
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	4	0.72
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	4	0.72
(2,802)	1:25:A:GLN:HG3	1:25:A:GLN:H	32	0.72
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	38	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	16	0.72
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	30	0.72
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	9	0.72
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	9	0.72
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	9	0.72
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD11	4	0.72
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD12	4	0.72
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD13	4	0.72
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	25	0.72
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	30	0.72
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	16	0.72
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	30	0.72
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD11	4	0.72
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD12	4	0.72
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD13	4	0.72
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	23	0.72
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	25	0.72
(2,359)	1:25:A:GLN:HG3	1:25:A:GLN:H	32	0.72
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	16	0.72
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	16	0.72
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	22	0.72
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	22	0.72
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	29	0.72
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	29	0.72
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	32	0.72
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	32	0.72
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	7	0.72
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	38	0.72
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	37	0.72
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	4	0.72
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	4	0.72
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	4	0.72
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	5	0.72
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	33	0.72
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	37	0.72
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	25	0.72
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	30	0.72
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	23	0.72
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	25	0.72
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	7	0.72
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	4	0.72
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	4	0.72
(1,777)	1:25:A:GLN:HG3	1:25:A:GLN:H	32	0.72
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	38	0.72
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	16	0.72
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	30	0.72
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD11	4	0.72
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD12	4	0.72
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD13	4	0.72
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	18	0.72
(1,404)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	17	0.72
(1,404)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	25	0.72
(1,404)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	35	0.72
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	11	0.72
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	4	0.72
(1,190)	1:18:A:VAL:HG23	1:22:A:GLN:HG3	30	0.72
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	42	0.72
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	25	0.72
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	30	0.72
(1,171)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	40	0.72
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	12	0.72
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	15	0.72
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	20	0.72
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	7	0.71
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	14	0.71
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	16	0.71
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	20	0.71
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	21	0.71
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	21	0.71
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	41	0.71
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	41	0.71
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	42	0.71
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	42	0.71
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	23	0.71
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	30	0.71
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	30	0.71
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	30	0.71
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	6	0.71
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	10	0.71
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	24	0.71
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	41	0.71
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	43	0.71
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	17	0.71
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	19	0.71
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	10	0.71
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	10	0.71
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	10	0.71
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD11	5	0.71
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD12	5	0.71
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD13	5	0.71
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	49	0.71
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	50	0.71
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	7	0.71
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	14	0.71
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	16	0.71
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	7	0.71
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	17	0.71
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	19	0.71
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD11	5	0.71
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD12	5	0.71
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD13	5	0.71
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	20	0.71
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	21	0.71
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	21	0.71
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	41	0.71
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	41	0.71
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	42	0.71
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	42	0.71
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	23	0.71
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	6	0.71
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	10	0.71
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	24	0.71
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	41	0.71
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	43	0.71
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	49	0.71
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	50	0.71
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	30	0.71
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	30	0.71
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	30	0.71
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	42	0.71
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	5	0.71
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	18	0.71
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	49	0.71
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	14	0.71
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	16	0.71
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	20	0.71
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	23	0.71
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	30	0.71
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	30	0.71
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	30	0.71
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	6	0.71
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	10	0.71
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	24	0.71
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	41	0.71
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	43	0.71
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	7	0.71
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	17	0.71
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	19	0.71
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD11	5	0.71
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD12	5	0.71
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD13	5	0.71
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	49	0.71
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	50	0.71
(1,404)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	50	0.71
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	12	0.71
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	18	0.7
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	23	0.7
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	1	0.7
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	8	0.7
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	38	0.7
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	33	0.7
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	33	0.7
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	44	0.7
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	44	0.7
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	17	0.7
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	17	0.7
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	17	0.7
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	27	0.7
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	27	0.7
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	27	0.7
(2,802)	1:25:A:GLN:HG3	1:25:A:GLN:H	12	0.7
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	9	0.7
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	41	0.7
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	45	0.7
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	50	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	43	0.7
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	43	0.7
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	43	0.7
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	37	0.7
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	37	0.7
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	37	0.7
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	18	0.7
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	18	0.7
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	23	0.7
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	41	0.7
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	45	0.7
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	50	0.7
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	37	0.7
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	37	0.7
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	37	0.7
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	1	0.7
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	8	0.7
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	38	0.7
(2,359)	1:25:A:GLN:HG3	1:25:A:GLN:H	12	0.7
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	33	0.7
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	33	0.7
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	44	0.7
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	44	0.7
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	9	0.7
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	18	0.7
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	17	0.7
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	17	0.7
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	17	0.7
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	27	0.7
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	27	0.7
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	27	0.7
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	45	0.7
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	8	0.7
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	11	0.7
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	17	0.7
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	18	0.7
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	23	0.7
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	1	0.7
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	8	0.7
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	38	0.7
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	17	0.7
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	17	0.7
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	27	0.7
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	27	0.7
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	27	0.7
(1,777)	1:25:A:GLN:HG3	1:25:A:GLN:H	12	0.7
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	9	0.7
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	41	0.7
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	45	0.7
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	50	0.7
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	37	0.7
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	37	0.7
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	37	0.7
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	18	0.7
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	40	0.7
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	2	0.7
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	3	0.7
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	6	0.7
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	12	0.7
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	30	0.7
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	37	0.7
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	42	0.7
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	47	0.7
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	48	0.7
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	6	0.7
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD12	43	0.7
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	11	0.7
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	43	0.7
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	49	0.7
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG11	43	0.7
(1,160)	1:9:A:CYS:HB3	1:27:A:CYS:HB3	31	0.7
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	10	0.69
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	19	0.69
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	45	0.69
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	15	0.69
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	39	0.69
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	39	0.69
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	45	0.69
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	45	0.69
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	48	0.69
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	3	0.69
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	3	0.69
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	50	0.69
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	50	0.69
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	50	0.69
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	17	0.69
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	22	0.69
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	35	0.69
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	10	0.69
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	19	0.69
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	45	0.69
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	22	0.69
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	35	0.69
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	15	0.69
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	39	0.69
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	39	0.69
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	45	0.69
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	45	0.69
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	48	0.69
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	17	0.69
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	3	0.69
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	3	0.69
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	3	0.69
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	50	0.69
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	50	0.69
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	50	0.69
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	28	0.69
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	40	0.69
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	10	0.69
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	19	0.69
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	45	0.69
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	15	0.69
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	48	0.69
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	3	0.69
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	3	0.69
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	3	0.69
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	50	0.69
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	50	0.69
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	50	0.69
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	17	0.69
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	22	0.69
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	35	0.69
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	32	0.69
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	35	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	44	0.69
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	10	0.69
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	15	0.69
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	20	0.69
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	21	0.69
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	24	0.69
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	25	0.69
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	27	0.69
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	32	0.69
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	34	0.69
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	36	0.69
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	38	0.69
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	43	0.69
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	50	0.69
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG21	41	0.69
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG21	18	0.69
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	7	0.69
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	22	0.69
(1,171)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	2	0.69
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	10	0.69
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	43	0.69
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	50	0.69
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	34	0.68
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	15	0.68
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	22	0.68
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	47	0.68
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	30	0.68
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	46	0.68
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	2	0.68
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	2	0.68
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	10	0.68
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	10	0.68
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	20	0.68
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	20	0.68
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	38	0.68
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	38	0.68
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	47	0.68
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	47	0.68
(2,802)	1:25:A:GLN:HG3	1:25:A:GLN:H	7	0.68
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	28	0.68
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	8	0.68
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	8	0.68
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD11	39	0.68
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD12	39	0.68
(2,519)	1:30:A:LEU:HA	1:30:A:LEU:HD13	39	0.68
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	15	0.68
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	22	0.68
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	47	0.68
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	28	0.68
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD11	39	0.68
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD12	39	0.68
(2,417)	1:30:A:LEU:HA	1:30:A:LEU:HD13	39	0.68
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	30	0.68
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	46	0.68
(2,359)	1:25:A:GLN:HG3	1:25:A:GLN:H	7	0.68
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	2	0.68
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	2	0.68
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	10	0.68
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	10	0.68
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	20	0.68
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	20	0.68
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	38	0.68
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	38	0.68
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	47	0.68
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	47	0.68
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	34	0.68
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	43	0.68
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	14	0.68
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	26	0.68
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	29	0.68
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	34	0.68
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	15	0.68
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	22	0.68
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	47	0.68
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	30	0.68
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	46	0.68
(1,777)	1:25:A:GLN:HG3	1:25:A:GLN:H	7	0.68
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	28	0.68
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD11	39	0.68
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD12	39	0.68
(1,509)	1:30:A:LEU:HA	1:30:A:LEU:HD13	39	0.68
(1,389)	1:30:A:LEU:HD12	1:30:A:LEU:H	2	0.68
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	7	0.68
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	19	0.68
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	39	0.68
(1,193)	1:13:A:CYS:HA	1:18:A:VAL:HG23	40	0.68
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	2	0.68
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	8	0.68
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	9	0.68
(1,171)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	43	0.68
(1,171)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	44	0.68
(1,160)	1:9:A:CYS:HB3	1:27:A:CYS:HB3	10	0.68
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	18	0.68
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	33	0.68
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	45	0.68
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	24	0.67
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	29	0.67
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	41	0.67
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	21	0.67
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	29	0.67
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	15	0.67
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	15	0.67
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	2	0.67
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	2	0.67
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	2	0.67
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	2	0.67
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	31	0.67
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	31	0.67
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	31	0.67
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	25	0.67
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	44	0.67
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	34	0.67
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	4	0.67
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	4	0.67
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	4	0.67
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	30	0.67
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	24	0.67
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	29	0.67
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	41	0.67
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	34	0.67
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	21	0.67
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	29	0.67
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	30	0.67
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	15	0.67
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	2	0.67
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	25	0.67
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	44	0.67
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	2	0.67
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	2	0.67
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	2	0.67
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	31	0.67
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	31	0.67
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	31	0.67
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	4	0.67
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	4	0.67
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	4	0.67
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	49	0.67
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	49	0.67
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	49	0.67
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	22	0.67
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	45	0.67
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	24	0.67
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	29	0.67
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	41	0.67
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	21	0.67
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	29	0.67
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	2	0.67
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	2	0.67
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	2	0.67
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	2	0.67
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	31	0.67
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	31	0.67
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	31	0.67
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	25	0.67
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	44	0.67
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	34	0.67
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	4	0.67
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	4	0.67
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	4	0.67
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	30	0.67
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	3	0.67
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	8	0.67
(1,389)	1:30:A:LEU:HD12	1:30:A:LEU:H	14	0.67
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	29	0.67
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	50	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	31	0.67
(1,258)	1:5:A:GLN:H	1:5:A:GLN:HB3	44	0.67
(1,233)	1:26:A:MET:H	1:26:A:MET:HB3	44	0.67
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	16	0.67
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	10	0.67
(1,173)	1:10:A:TYR:HA	1:13:A:CYS:HB3	18	0.67
(1,171)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	9	0.67
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	43	0.67
(1,154)	1:23:A:CYS:HB3	1:20:A:PHE:HA	33	0.67
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	1	0.67
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	18	0.66
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	28	0.66
(2,857)	1:26:A:MET:HG2	1:26:A:MET:HA	8	0.66
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	6	0.66
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	9	0.66
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	9	0.66
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	25	0.66
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	25	0.66
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	34	0.66
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	34	0.66
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	49	0.66
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	49	0.66
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	25	0.66
(2,802)	1:25:A:GLN:HG3	1:25:A:GLN:H	2	0.66
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	38	0.66
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	50	0.66
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	8	0.66
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	15	0.66
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	25	0.66
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	32	0.66
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	36	0.66
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE1	20	0.66
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE2	20	0.66
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE3	20	0.66
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE1	44	0.66
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE2	44	0.66
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE3	44	0.66
(2,475)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	9	0.66
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	28	0.66
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	8	0.66
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	15	0.66
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	25	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	32	0.66
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	36	0.66
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	6	0.66
(2,371)	1:26:A:MET:HG2	1:26:A:MET:HA	8	0.66
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE1	20	0.66
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE2	20	0.66
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE3	20	0.66
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE1	44	0.66
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE2	44	0.66
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE3	44	0.66
(2,359)	1:25:A:GLN:HG3	1:25:A:GLN:H	2	0.66
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	38	0.66
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	50	0.66
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	9	0.66
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	9	0.66
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	25	0.66
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	25	0.66
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	34	0.66
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	34	0.66
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	49	0.66
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	49	0.66
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	25	0.66
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	18	0.66
(2,75)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	9	0.66
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	18	0.66
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	28	0.66
(1,831)	1:26:A:MET:HG2	1:26:A:MET:HA	8	0.66
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	6	0.66
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	25	0.66
(1,777)	1:25:A:GLN:HG3	1:25:A:GLN:H	2	0.66
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	38	0.66
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	50	0.66
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	8	0.66
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	15	0.66
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	25	0.66
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	32	0.66
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	36	0.66
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE1	20	0.66
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE2	20	0.66
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE3	20	0.66
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE1	44	0.66
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE2	44	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE3	44	0.66
(1,465)	1:7:A:LYS:HG3	1:7:A:LYS:HE2	9	0.66
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	6	0.66
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	15	0.66
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	28	0.66
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	11	0.66
(1,233)	1:26:A:MET:H	1:26:A:MET:HB3	20	0.66
(1,190)	1:18:A:VAL:HG22	1:22:A:GLN:HG3	44	0.66
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	9	0.66
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	1	0.66
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	31	0.66
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	32	0.66
(1,173)	1:10:A:TYR:HA	1:13:A:CYS:HB3	24	0.66
(1,173)	1:10:A:TYR:HA	1:13:A:CYS:HB3	28	0.66
(1,173)	1:10:A:TYR:HA	1:13:A:CYS:HB3	40	0.66
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	10	0.66
(1,116)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	4	0.66
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	20	0.66
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	4	0.66
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	5	0.65
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	32	0.65
(2,857)	1:26:A:MET:HG2	1:26:A:MET:HA	20	0.65
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	2	0.65
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	7	0.65
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	14	0.65
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	42	0.65
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	45	0.65
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	17	0.65
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	17	0.65
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	5	0.65
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	45	0.65
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	48	0.65
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	49	0.65
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	49	0.65
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	49	0.65
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE1	43	0.65
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE2	43	0.65
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE3	43	0.65
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	37	0.65
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	5	0.65
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	32	0.65
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	49	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	49	0.65
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	49	0.65
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	48	0.65
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	2	0.65
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	7	0.65
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	14	0.65
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	42	0.65
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	45	0.65
(2,371)	1:26:A:MET:HG2	1:26:A:MET:HA	20	0.65
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE1	43	0.65
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE2	43	0.65
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE3	43	0.65
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	37	0.65
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	17	0.65
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	17	0.65
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	5	0.65
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	45	0.65
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG3	18	0.65
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	5	0.65
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	32	0.65
(1,831)	1:26:A:MET:HG2	1:26:A:MET:HA	20	0.65
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	2	0.65
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	7	0.65
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	14	0.65
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	42	0.65
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	45	0.65
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	5	0.65
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	45	0.65
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	48	0.65
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	49	0.65
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	49	0.65
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	49	0.65
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE1	43	0.65
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE2	43	0.65
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE3	43	0.65
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	37	0.65
(1,389)	1:30:A:LEU:HD12	1:30:A:LEU:H	36	0.65
(1,389)	1:30:A:LEU:HD12	1:30:A:LEU:H	46	0.65
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	48	0.65
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	16	0.65
(1,233)	1:26:A:MET:H	1:26:A:MET:HB3	8	0.65
(1,190)	1:18:A:VAL:HG21	1:22:A:GLN:HG3	12	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	4	0.65
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	21	0.65
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	50	0.65
(1,173)	1:10:A:TYR:HA	1:13:A:CYS:HB3	3	0.65
(1,171)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	13	0.65
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	30	0.65
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	50	0.65
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	30	0.65
(1,116)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	5	0.65
(1,116)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	39	0.65
(1,116)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	42	0.65
(1,116)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	49	0.65
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	10	0.65
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	23	0.65
(1,112)	1:30:A:LEU:HD12	1:30:A:LEU:HA	26	0.65
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	50	0.65
(1,82)	1:24:A:TYR:HD2	1:28:A:SER:HB3	21	0.65
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	4	0.64
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	35	0.64
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	49	0.64
(2,857)	1:26:A:MET:HG2	1:26:A:MET:HA	44	0.64
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	26	0.64
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	30	0.64
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	30	0.64
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	13	0.64
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	13	0.64
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	14	0.64
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	18	0.64
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	27	0.64
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	30	0.64
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	31	0.64
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	35	0.64
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	43	0.64
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	46	0.64
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	29	0.64
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	47	0.64
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	2	0.64
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	38	0.64
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	46	0.64
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	10	0.64
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	44	0.64
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE1	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE2	8	0.64
(2,509)	1:26:A:MET:HB2	1:26:A:MET:HE3	8	0.64
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	29	0.64
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	4	0.64
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	35	0.64
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	49	0.64
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	2	0.64
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	38	0.64
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	46	0.64
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	10	0.64
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	44	0.64
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	26	0.64
(2,371)	1:26:A:MET:HG2	1:26:A:MET:HA	44	0.64
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE1	8	0.64
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE2	8	0.64
(2,363)	1:26:A:MET:HB2	1:26:A:MET:HE3	8	0.64
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	47	0.64
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	30	0.64
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	30	0.64
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	13	0.64
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	13	0.64
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	14	0.64
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	18	0.64
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	27	0.64
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	30	0.64
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	31	0.64
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	35	0.64
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	43	0.64
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	46	0.64
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	32	0.64
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	23	0.64
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	4	0.64
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	35	0.64
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	49	0.64
(1,831)	1:26:A:MET:HG2	1:26:A:MET:HA	44	0.64
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	26	0.64
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	13	0.64
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	13	0.64
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	14	0.64
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	18	0.64
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	27	0.64
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	30	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	31	0.64
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	35	0.64
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	43	0.64
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	46	0.64
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	29	0.64
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	47	0.64
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	2	0.64
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	38	0.64
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	46	0.64
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	10	0.64
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	44	0.64
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE1	8	0.64
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE2	8	0.64
(1,499)	1:26:A:MET:HB2	1:26:A:MET:HE3	8	0.64
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	34	0.64
(1,389)	1:30:A:LEU:HD12	1:30:A:LEU:H	38	0.64
(1,233)	1:26:A:MET:H	1:26:A:MET:HB3	43	0.64
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	20	0.64
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	5	0.64
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	27	0.64
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	42	0.64
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	39	0.64
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	47	0.64
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	12	0.64
(1,112)	1:30:A:LEU:HD12	1:30:A:LEU:HA	22	0.64
(1,112)	1:30:A:LEU:HD12	1:30:A:LEU:HA	38	0.64
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	43	0.64
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	44	0.64
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	37	0.63
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	42	0.63
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	28	0.63
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	33	0.63
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	40	0.63
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	49	0.63
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	19	0.63
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	19	0.63
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	26	0.63
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	26	0.63
(2,825)	1:4:A:GLN:HA	1:7:A:LYS:HB2	20	0.63
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	2	0.63
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	7	0.63
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	25	0.63
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	26	0.63
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	48	0.63
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	12	0.63
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	18	0.63
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	43	0.63
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	50	0.63
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	6	0.63
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	3	0.63
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	9	0.63
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	31	0.63
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	37	0.63
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	42	0.63
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	6	0.63
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	3	0.63
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	9	0.63
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	28	0.63
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	33	0.63
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	40	0.63
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	49	0.63
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	12	0.63
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	18	0.63
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	43	0.63
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	50	0.63
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	31	0.63
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	19	0.63
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	19	0.63
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	26	0.63
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	26	0.63
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	2	0.63
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	7	0.63
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	9	0.63
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	25	0.63
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	26	0.63
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	48	0.63
(2,35)	1:4:A:GLN:HA	1:7:A:LYS:HB2	20	0.63
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	37	0.63
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	42	0.63
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	28	0.63
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	33	0.63
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	40	0.63
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	49	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,799)	1:4:A:GLN:HA	1:7:A:LYS:HB2	20	0.63
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	2	0.63
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	7	0.63
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	9	0.63
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	25	0.63
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	26	0.63
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	48	0.63
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	12	0.63
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	18	0.63
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	43	0.63
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	50	0.63
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	6	0.63
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	3	0.63
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	9	0.63
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	31	0.63
(1,389)	1:30:A:LEU:HD12	1:30:A:LEU:H	22	0.63
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	25	0.63
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	41	0.63
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD21	26	0.63
(1,255)	1:7:A:LYS:H	1:7:A:LYS:HB3	20	0.63
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	1	0.63
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG21	21	0.63
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG21	36	0.63
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	14	0.63
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	15	0.63
(1,171)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	33	0.63
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG13	5	0.63
(1,112)	1:30:A:LEU:HD12	1:30:A:LEU:HA	2	0.63
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	9	0.63
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	16	0.63
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	27	0.63
(1,112)	1:30:A:LEU:HD12	1:30:A:LEU:HA	36	0.63
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	40	0.63
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	3	0.62
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	38	0.62
(2,857)	1:26:A:MET:HG2	1:26:A:MET:HA	43	0.62
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	4	0.62
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	9	0.62
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	16	0.62
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	19	0.62
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	34	0.62
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	50	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	48	0.62
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	48	0.62
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	22	0.62
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	5	0.62
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	5	0.62
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	5	0.62
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	36	0.62
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	36	0.62
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	36	0.62
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	1	0.62
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	6	0.62
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	8	0.62
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	16	0.62
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	17	0.62
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	20	0.62
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	39	0.62
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	41	0.62
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	45	0.62
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE1	43	0.62
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE2	43	0.62
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE3	43	0.62
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	30	0.62
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	30	0.62
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	30	0.62
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	11	0.62
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	29	0.62
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	40	0.62
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	47	0.62
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD21	39	0.62
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD22	39	0.62
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD23	39	0.62
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	1	0.62
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	45	0.62
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	38	0.62
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	11	0.62
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	29	0.62
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	40	0.62
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	47	0.62
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD21	39	0.62
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD22	39	0.62
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD23	39	0.62
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	9	0.62
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	16	0.62
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	19	0.62
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	34	0.62
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	50	0.62
(2,371)	1:26:A:MET:HG2	1:26:A:MET:HA	43	0.62
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE1	43	0.62
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE2	43	0.62
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE3	43	0.62
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	1	0.62
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	48	0.62
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	48	0.62
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	22	0.62
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	1	0.62
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	6	0.62
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	8	0.62
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	16	0.62
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	17	0.62
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	20	0.62
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	39	0.62
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	41	0.62
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	3	0.62
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	5	0.62
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	5	0.62
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	5	0.62
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	36	0.62
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	36	0.62
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	36	0.62
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	14	0.62
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	3	0.62
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	38	0.62
(1,831)	1:26:A:MET:HG2	1:26:A:MET:HA	43	0.62
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	4	0.62
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	9	0.62
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	16	0.62
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	19	0.62
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	34	0.62
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	50	0.62
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	22	0.62
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	5	0.62
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	5	0.62
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	36	0.62
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	36	0.62
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	36	0.62
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	1	0.62
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	6	0.62
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	8	0.62
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	16	0.62
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	17	0.62
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	20	0.62
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	39	0.62
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	41	0.62
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	45	0.62
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE1	43	0.62
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE2	43	0.62
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE3	43	0.62
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	11	0.62
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	29	0.62
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	40	0.62
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	47	0.62
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD21	39	0.62
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD22	39	0.62
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD23	39	0.62
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	1	0.62
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	12	0.62
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	7	0.62
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	10	0.62
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG13	40	0.62
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	46	0.62
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	48	0.62
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	3	0.62
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	17	0.62
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	2	0.61
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	48	0.61
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	48	0.61
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	6	0.61
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	6	0.61
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	4	0.61
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	11	0.61
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	15	0.61
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	21	0.61
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	24	0.61
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	29	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	36	0.61
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	37	0.61
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	42	0.61
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	44	0.61
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	49	0.61
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	50	0.61
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE1	20	0.61
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE2	20	0.61
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE3	20	0.61
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE1	44	0.61
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE2	44	0.61
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE3	44	0.61
(2,802)	1:25:A:GLN:HG3	1:25:A:GLN:H	14	0.61
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	30	0.61
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	9	0.61
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	12	0.61
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	14	0.61
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	18	0.61
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	27	0.61
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	29	0.61
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	31	0.61
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	43	0.61
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	49	0.61
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	43	0.61
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	49	0.61
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	49	0.61
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	49	0.61
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	12	0.61
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	14	0.61
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD21	5	0.61
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD22	5	0.61
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD23	5	0.61
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	2	0.61
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	48	0.61
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	12	0.61
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	14	0.61
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	18	0.61
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	27	0.61
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	29	0.61
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	31	0.61
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	43	0.61
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	14	0.61
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD21	5	0.61
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD22	5	0.61
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD23	5	0.61
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	48	0.61
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	30	0.61
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE1	20	0.61
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE2	20	0.61
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE3	20	0.61
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE1	44	0.61
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE2	44	0.61
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE3	44	0.61
(2,359)	1:25:A:GLN:HG3	1:25:A:GLN:H	14	0.61
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	9	0.61
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	6	0.61
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	6	0.61
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	4	0.61
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	11	0.61
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	15	0.61
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	21	0.61
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	24	0.61
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	29	0.61
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	36	0.61
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	37	0.61
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	42	0.61
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	44	0.61
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	49	0.61
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	50	0.61
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	49	0.61
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	27	0.61
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	2	0.61
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	48	0.61
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	48	0.61
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	4	0.61
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	11	0.61
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	15	0.61
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	21	0.61
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	24	0.61
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	29	0.61
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	36	0.61
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	37	0.61
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	42	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	44	0.61
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	49	0.61
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	50	0.61
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE1	20	0.61
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE2	20	0.61
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE3	20	0.61
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE1	44	0.61
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE2	44	0.61
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE3	44	0.61
(1,777)	1:25:A:GLN:HG3	1:25:A:GLN:H	14	0.61
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	30	0.61
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	9	0.61
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	12	0.61
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	14	0.61
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	18	0.61
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	27	0.61
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	29	0.61
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	31	0.61
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	43	0.61
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	49	0.61
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	12	0.61
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	14	0.61
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD21	5	0.61
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD22	5	0.61
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD23	5	0.61
(1,414)	1:2:A:SER:HB3	1:5:A:GLN:HB3	7	0.61
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	38	0.61
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	45	0.61
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD21	20	0.61
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	21	0.61
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	24	0.61
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD21	33	0.61
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	36	0.61
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE3	43	0.61
(1,193)	1:13:A:CYS:HA	1:18:A:VAL:HG23	24	0.61
(1,189)	1:22:A:GLN:HA	1:25:A:GLN:HG2	31	0.61
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	16	0.61
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	29	0.61
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	35	0.61
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	36	0.61
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	40	0.61
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	34	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	47	0.61
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	12	0.61
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	21	0.61
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	45	0.61
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	11	0.61
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG11	31	0.61
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	1	0.61
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	8	0.61
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	14	0.61
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	31	0.61
(1,112)	1:30:A:LEU:HD12	1:30:A:LEU:HA	47	0.61
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	48	0.61
(1,82)	1:24:A:TYR:HD2	1:28:A:SER:HB3	45	0.61
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	26	0.61
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	12	0.6
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	13	0.6
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	17	0.6
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	35	0.6
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	47	0.6
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	11	0.6
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	11	0.6
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	29	0.6
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	8	0.6
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	8	0.6
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	8	0.6
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	39	0.6
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	39	0.6
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	39	0.6
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	3	0.6
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	19	0.6
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	22	0.6
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	28	0.6
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	32	0.6
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	33	0.6
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	34	0.6
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	38	0.6
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	40	0.6
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	47	0.6
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	32	0.6
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	47	0.6
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	13	0.6
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	40	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	39	0.6
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	39	0.6
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	39	0.6
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	6	0.6
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	13	0.6
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	18	0.6
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	27	0.6
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	43	0.6
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD21	49	0.6
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD22	49	0.6
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD23	49	0.6
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	32	0.6
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	13	0.6
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	40	0.6
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	39	0.6
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	39	0.6
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	39	0.6
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	6	0.6
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	13	0.6
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	18	0.6
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	27	0.6
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	43	0.6
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD21	49	0.6
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD22	49	0.6
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD23	49	0.6
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	12	0.6
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	13	0.6
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	17	0.6
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	35	0.6
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	47	0.6
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	47	0.6
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	11	0.6
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	11	0.6
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	29	0.6
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	3	0.6
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	19	0.6
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	22	0.6
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	28	0.6
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	32	0.6
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	33	0.6
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	34	0.6
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	38	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	40	0.6
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	47	0.6
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	8	0.6
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	8	0.6
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	8	0.6
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	39	0.6
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	39	0.6
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	39	0.6
(1,957)	1:31:A:GLU:HB2	1:30:A:LEU:HD21	37	0.6
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	12	0.6
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	13	0.6
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	17	0.6
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	35	0.6
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	47	0.6
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	29	0.6
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	8	0.6
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	8	0.6
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	8	0.6
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	39	0.6
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	39	0.6
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	39	0.6
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	3	0.6
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	19	0.6
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	22	0.6
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	28	0.6
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	32	0.6
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	33	0.6
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	34	0.6
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	38	0.6
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	40	0.6
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	47	0.6
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	32	0.6
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	47	0.6
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	13	0.6
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	40	0.6
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	39	0.6
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	39	0.6
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	39	0.6
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	6	0.6
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	13	0.6
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	18	0.6
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	27	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	43	0.6
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD21	49	0.6
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD22	49	0.6
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD23	49	0.6
(1,451)	1:12:A:GLN:HE21	1:15:A:VAL:HG22	32	0.6
(1,389)	1:30:A:LEU:HD12	1:30:A:LEU:H	7	0.6
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	17	0.6
(1,389)	1:30:A:LEU:HD12	1:30:A:LEU:H	30	0.6
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	1	0.6
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	5	0.6
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	16	0.6
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD21	22	0.6
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	18	0.6
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	37	0.6
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	17	0.6
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	18	0.6
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	46	0.6
(1,179)	1:18:A:VAL:HG22	1:14:A:ASN:HB3	39	0.6
(1,171)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	38	0.6
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	6	0.6
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	17	0.6
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	44	0.6
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	6	0.6
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	17	0.6
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	34	0.6
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	48	0.6
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG11	7	0.6
(1,136)	1:17:A:LYS:HB2	1:17:A:LYS:HD3	26	0.6
(1,112)	1:30:A:LEU:HD12	1:30:A:LEU:HA	7	0.6
(1,112)	1:30:A:LEU:HD12	1:30:A:LEU:HA	13	0.6
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	24	0.6
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	35	0.6
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	20	0.59
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	47	0.59
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	3	0.59
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	26	0.59
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	33	0.59
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	5	0.59
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	11	0.59
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	41	0.59
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	1	0.59
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	46	0.59
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	46	0.59
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	20	0.59
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	10	0.59
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	12	0.59
(2,820)	1:17:A:LYS:HA	1:18:A:VAL:H	23	0.59
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE1	8	0.59
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE2	8	0.59
(2,808)	1:26:A:MET:HG3	1:26:A:MET:HE3	8	0.59
(2,802)	1:25:A:GLN:HG3	1:25:A:GLN:H	8	0.59
(2,802)	1:25:A:GLN:HG3	1:25:A:GLN:H	43	0.59
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	15	0.59
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	36	0.59
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	3	0.59
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	11	0.59
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	44	0.59
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	47	0.59
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	2	0.59
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	31	0.59
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	38	0.59
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	46	0.59
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	27	0.59
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD21	4	0.59
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD22	4	0.59
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD23	4	0.59
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	48	0.59
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	3	0.59
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	26	0.59
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	33	0.59
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	27	0.59
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	3	0.59
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	11	0.59
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	44	0.59
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	47	0.59
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	2	0.59
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	31	0.59
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	38	0.59
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	46	0.59
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD21	4	0.59
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD22	4	0.59
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD23	4	0.59
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	11	0.59
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	41	0.59
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	15	0.59
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE1	8	0.59
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE2	8	0.59
(2,370)	1:26:A:MET:HG3	1:26:A:MET:HE3	8	0.59
(2,359)	1:25:A:GLN:HG3	1:25:A:GLN:H	8	0.59
(2,359)	1:25:A:GLN:HG3	1:25:A:GLN:H	43	0.59
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	36	0.59
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	48	0.59
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	1	0.59
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	1	0.59
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	46	0.59
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	46	0.59
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	20	0.59
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	10	0.59
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	12	0.59
(2,236)	1:17:A:LYS:HA	1:18:A:VAL:H	23	0.59
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	20	0.59
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	47	0.59
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	30	0.59
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	30	0.59
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	30	0.59
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	42	0.59
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	42	0.59
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	42	0.59
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	3	0.59
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	9	0.59
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	20	0.59
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	47	0.59
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	3	0.59
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	26	0.59
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	33	0.59
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	5	0.59
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	11	0.59
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	41	0.59
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	20	0.59
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	10	0.59
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	12	0.59
(1,794)	1:17:A:LYS:HA	1:18:A:VAL:H	23	0.59
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE1	8	0.59
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE2	8	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:26:A:MET:HG3	1:26:A:MET:HE3	8	0.59
(1,777)	1:25:A:GLN:HG3	1:25:A:GLN:H	8	0.59
(1,777)	1:25:A:GLN:HG3	1:25:A:GLN:H	43	0.59
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	15	0.59
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	36	0.59
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	3	0.59
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	11	0.59
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	44	0.59
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	47	0.59
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	2	0.59
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	31	0.59
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	38	0.59
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	46	0.59
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	27	0.59
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD21	4	0.59
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD22	4	0.59
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD23	4	0.59
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	48	0.59
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	22	0.59
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	4	0.59
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	16	0.59
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	2	0.59
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	7	0.59
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	30	0.59
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	32	0.59
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	45	0.59
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	19	0.59
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	38	0.59
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	48	0.59
(1,190)	1:18:A:VAL:HG23	1:22:A:GLN:HG3	25	0.59
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	38	0.59
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	4	0.59
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG21	19	0.59
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG23	40	0.59
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	34	0.59
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	48	0.59
(1,179)	1:18:A:VAL:HG21	1:14:A:ASN:HB3	47	0.59
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	16	0.59
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	35	0.59
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	41	0.59
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG11	13	0.59
(1,136)	1:17:A:LYS:HB2	1:17:A:LYS:HD3	17	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:17:A:LYS:HB2	1:17:A:LYS:HD3	27	0.59
(1,136)	1:17:A:LYS:HB2	1:17:A:LYS:HD3	35	0.59
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	16	0.59
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	11	0.59
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	15	0.59
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	19	0.59
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	29	0.59
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	34	0.59
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	17	0.58
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	20	0.58
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	4	0.58
(2,802)	1:25:A:GLN:HG3	1:25:A:GLN:H	21	0.58
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	10	0.58
(2,711)	1:32:A:ARG:HA	1:32:A:ARG:H	2	0.58
(2,711)	1:32:A:ARG:HA	1:32:A:ARG:H	12	0.58
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	30	0.58
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	30	0.58
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	30	0.58
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	5	0.58
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	5	0.58
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	5	0.58
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	49	0.58
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	49	0.58
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	49	0.58
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	25	0.58
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	36	0.58
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	48	0.58
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	4	0.58
(2,460)	1:32:A:ARG:HA	1:32:A:ARG:H	2	0.58
(2,460)	1:32:A:ARG:HA	1:32:A:ARG:H	12	0.58
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	17	0.58
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	20	0.58
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	30	0.58
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	30	0.58
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	30	0.58
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	5	0.58
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	5	0.58
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	5	0.58
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	49	0.58
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	49	0.58
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	49	0.58
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	25	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	36	0.58
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	48	0.58
(2,359)	1:25:A:GLN:HG3	1:25:A:GLN:H	21	0.58
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	10	0.58
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	8	0.58
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	30	0.58
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	17	0.58
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	20	0.58
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	4	0.58
(1,777)	1:25:A:GLN:HG3	1:25:A:GLN:H	21	0.58
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	10	0.58
(1,687)	1:32:A:ARG:HA	1:32:A:ARG:H	2	0.58
(1,687)	1:32:A:ARG:HA	1:32:A:ARG:H	12	0.58
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	30	0.58
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	30	0.58
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	30	0.58
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	5	0.58
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	5	0.58
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	5	0.58
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	49	0.58
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	49	0.58
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	49	0.58
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	25	0.58
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	36	0.58
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	48	0.58
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	1	0.58
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	23	0.58
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	24	0.58
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	39	0.58
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	42	0.58
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD21	10	0.58
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	17	0.58
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD21	23	0.58
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	27	0.58
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	34	0.58
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	38	0.58
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD21	48	0.58
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD21	50	0.58
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	17	0.58
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	24	0.58
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	14	0.58
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG23	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	41	0.58
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	11	0.58
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	15	0.58
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	19	0.58
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	42	0.58
(1,136)	1:17:A:LYS:HB2	1:17:A:LYS:HD3	25	0.58
(1,112)	1:30:A:LEU:HD12	1:30:A:LEU:HA	6	0.58
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	32	0.58
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	32	0.58
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	34	0.58
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	6	0.57
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	46	0.57
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	12	0.57
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	27	0.57
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	36	0.57
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	15	0.57
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	40	0.57
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	21	0.57
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	21	0.57
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	21	0.57
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	34	0.57
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	34	0.57
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	34	0.57
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	38	0.57
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	38	0.57
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	38	0.57
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	40	0.57
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	40	0.57
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	40	0.57
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	13	0.57
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	9	0.57
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	10	0.57
(2,711)	1:32:A:ARG:HA	1:32:A:ARG:H	8	0.57
(2,711)	1:32:A:ARG:HA	1:32:A:ARG:H	17	0.57
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	42	0.57
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	42	0.57
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	42	0.57
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	4	0.57
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	4	0.57
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	4	0.57
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	8	0.57
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	32	0.57
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	34	0.57
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD21	42	0.57
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD22	42	0.57
(2,520)	1:30:A:LEU:HA	1:30:A:LEU:HD23	42	0.57
(2,460)	1:32:A:ARG:HA	1:32:A:ARG:H	8	0.57
(2,460)	1:32:A:ARG:HA	1:32:A:ARG:H	17	0.57
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	6	0.57
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	46	0.57
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	42	0.57
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	42	0.57
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	42	0.57
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	9	0.57
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	10	0.57
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	4	0.57
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	4	0.57
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	4	0.57
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	8	0.57
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	15	0.57
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	32	0.57
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	34	0.57
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD21	42	0.57
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD22	42	0.57
(2,418)	1:30:A:LEU:HA	1:30:A:LEU:HD23	42	0.57
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	27	0.57
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	36	0.57
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	13	0.57
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	12	0.57
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	15	0.57
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	40	0.57
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	21	0.57
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	21	0.57
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	21	0.57
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	34	0.57
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	34	0.57
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	34	0.57
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	38	0.57
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	38	0.57
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	38	0.57
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	40	0.57
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	40	0.57
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	40	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB3	21	0.57
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	31	0.57
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	5	0.57
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	26	0.57
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	41	0.57
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	6	0.57
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	46	0.57
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	12	0.57
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	27	0.57
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	36	0.57
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	15	0.57
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	40	0.57
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	21	0.57
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	21	0.57
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	21	0.57
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	34	0.57
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	34	0.57
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	34	0.57
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	38	0.57
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	38	0.57
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	38	0.57
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	40	0.57
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	40	0.57
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	40	0.57
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	13	0.57
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	9	0.57
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	10	0.57
(1,687)	1:32:A:ARG:HA	1:32:A:ARG:H	8	0.57
(1,687)	1:32:A:ARG:HA	1:32:A:ARG:H	17	0.57
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	42	0.57
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	42	0.57
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	42	0.57
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	4	0.57
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	4	0.57
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	4	0.57
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	8	0.57
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	15	0.57
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	32	0.57
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	34	0.57
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD21	42	0.57
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD22	42	0.57
(1,510)	1:30:A:LEU:HA	1:30:A:LEU:HD23	42	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	19	0.57
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	3	0.57
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	15	0.57
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	18	0.57
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	19	0.57
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	31	0.57
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD21	41	0.57
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	42	0.57
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD21	49	0.57
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	2	0.57
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	8	0.57
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	18	0.57
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	29	0.57
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	13	0.57
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	40	0.57
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	49	0.57
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	8	0.57
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	11	0.57
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG21	49	0.57
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	50	0.57
(1,179)	1:18:A:VAL:HG21	1:14:A:ASN:HB3	11	0.57
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	34	0.57
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	36	0.57
(1,136)	1:17:A:LYS:HB2	1:17:A:LYS:HD3	30	0.57
(1,136)	1:17:A:LYS:HB2	1:17:A:LYS:HD3	50	0.57
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	21	0.57
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	41	0.57
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	14	0.56
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	31	0.56
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	18	0.56
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	22	0.56
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	3	0.56
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	3	0.56
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	31	0.56
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	31	0.56
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	32	0.56
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	26	0.56
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	26	0.56
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	26	0.56
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	16	0.56
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	32	0.56
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	32	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	42	0.56
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	42	0.56
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	42	0.56
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	22	0.56
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	28	0.56
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	45	0.56
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	32	0.56
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	32	0.56
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	42	0.56
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	42	0.56
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	42	0.56
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	22	0.56
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	28	0.56
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	45	0.56
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	18	0.56
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	22	0.56
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	16	0.56
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	14	0.56
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	31	0.56
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	3	0.56
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	3	0.56
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	31	0.56
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	31	0.56
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	32	0.56
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	26	0.56
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	26	0.56
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	26	0.56
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	25	0.56
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	35	0.56
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	36	0.56
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	43	0.56
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	1	0.56
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	16	0.56
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	27	0.56
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	35	0.56
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	46	0.56
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	14	0.56
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	31	0.56
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	18	0.56
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	22	0.56
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	32	0.56
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	26	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	26	0.56
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	26	0.56
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	16	0.56
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	42	0.56
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	42	0.56
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	42	0.56
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	22	0.56
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	28	0.56
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	45	0.56
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG12	25	0.56
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG21	29	0.56
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	45	0.56
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	5	0.56
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	20	0.56
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	33	0.56
(1,389)	1:30:A:LEU:HD11	1:30:A:LEU:H	49	0.56
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	6	0.56
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD21	25	0.56
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	28	0.56
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	43	0.56
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	44	0.56
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	47	0.56
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	4	0.56
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	28	0.56
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	22	0.56
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	46	0.56
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	8	0.56
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	14	0.56
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	20	0.56
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	46	0.56
(1,112)	1:30:A:LEU:HD11	1:30:A:LEU:HA	28	0.56
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	46	0.56
(1,82)	1:24:A:TYR:HD2	1:28:A:SER:HB3	26	0.56
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	14	0.56
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	50	0.55
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	24	0.55
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	32	0.55
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	39	0.55
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	9	0.55
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	31	0.55
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	15	0.55
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	15	0.55
(2,802)	1:25:A:GLN:HG3	1:25:A:GLN:H	25	0.55
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	22	0.55
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	49	0.55
(2,711)	1:32:A:ARG:HA	1:32:A:ARG:H	36	0.55
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	7	0.55
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	19	0.55
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	41	0.55
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	33	0.55
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	27	0.55
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	27	0.55
(2,460)	1:32:A:ARG:HA	1:32:A:ARG:H	36	0.55
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	27	0.55
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	27	0.55
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	7	0.55
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	19	0.55
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	41	0.55
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	24	0.55
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	32	0.55
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	39	0.55
(2,359)	1:25:A:GLN:HG3	1:25:A:GLN:H	25	0.55
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	22	0.55
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	49	0.55
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	50	0.55
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	9	0.55
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	31	0.55
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	33	0.55
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	15	0.55
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	15	0.55
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	15	0.55
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	7	0.55
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	12	0.55
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	17	0.55
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	50	0.55
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	24	0.55
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	32	0.55
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	39	0.55
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	9	0.55
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	31	0.55
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	15	0.55
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	15	0.55
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:25:A:GLN:HG3	1:25:A:GLN:H	25	0.55
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	22	0.55
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	49	0.55
(1,687)	1:32:A:ARG:HA	1:32:A:ARG:H	36	0.55
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	7	0.55
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	19	0.55
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	41	0.55
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	33	0.55
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	15	0.55
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	20	0.55
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG21	33	0.55
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	21	0.55
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	8	0.55
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	9	0.55
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	14	0.55
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	29	0.55
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	40	0.55
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	3	0.55
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	5	0.55
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	17	0.55
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	36	0.55
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	41	0.55
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	50	0.55
(1,189)	1:22:A:GLN:HA	1:25:A:GLN:HG2	48	0.55
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	11	0.55
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	35	0.55
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	43	0.55
(1,183)	1:18:A:VAL:HG21	1:23:A:CYS:HB2	39	0.55
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	2	0.55
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	32	0.55
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	3	0.55
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	8	0.55
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	42	0.55
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	43	0.55
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	2	0.55
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	8	0.55
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	22	0.55
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	48	0.54
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	1	0.54
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	11	0.54
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	34	0.54
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	36	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	1	0.54
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	17	0.54
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	24	0.54
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	29	0.54
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	42	0.54
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	3	0.54
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	27	0.54
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	27	0.54
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	1	0.54
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	33	0.54
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	20	0.54
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	20	0.54
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	20	0.54
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	42	0.54
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	42	0.54
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	42	0.54
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	48	0.54
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	48	0.54
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	48	0.54
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	39	0.54
(2,802)	1:25:A:GLN:HG3	1:25:A:GLN:H	6	0.54
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	19	0.54
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	32	0.54
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	5	0.54
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	41	0.54
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	46	0.54
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	17	0.54
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	50	0.54
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	10	0.54
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	10	0.54
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	10	0.54
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG11	7	0.54
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG12	7	0.54
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG13	7	0.54
(2,554)	1:8:A:TYR:HA	1:11:A:GLU:HB2	13	0.54
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	39	0.54
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	1	0.54
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	11	0.54
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	34	0.54
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	36	0.54
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	17	0.54
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	50	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	3	0.54
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	19	0.54
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	32	0.54
(2,359)	1:25:A:GLN:HG3	1:25:A:GLN:H	6	0.54
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	5	0.54
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	41	0.54
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	46	0.54
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	1	0.54
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	17	0.54
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	24	0.54
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	29	0.54
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	42	0.54
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	27	0.54
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	27	0.54
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	1	0.54
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	33	0.54
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	48	0.54
(2,102)	1:8:A:TYR:HA	1:11:A:GLU:HB2	13	0.54
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	20	0.54
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	20	0.54
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	20	0.54
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	42	0.54
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	42	0.54
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	42	0.54
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	48	0.54
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	48	0.54
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	48	0.54
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	18	0.54
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	20	0.54
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	5	0.54
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	16	0.54
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	6	0.54
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	26	0.54
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	46	0.54
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	25	0.54
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	50	0.54
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	48	0.54
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	1	0.54
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	11	0.54
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	34	0.54
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	36	0.54
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	17	0.54
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	24	0.54
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	29	0.54
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	42	0.54
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	3	0.54
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	1	0.54
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	33	0.54
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	20	0.54
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	20	0.54
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	20	0.54
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	42	0.54
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	42	0.54
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	42	0.54
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	48	0.54
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	48	0.54
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	48	0.54
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	39	0.54
(1,777)	1:25:A:GLN:HG3	1:25:A:GLN:H	6	0.54
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	19	0.54
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	32	0.54
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	5	0.54
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	41	0.54
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	46	0.54
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	17	0.54
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	50	0.54
(1,544)	1:8:A:TYR:HA	1:11:A:GLU:HB2	13	0.54
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	4	0.54
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	8	0.54
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	9	0.54
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	14	0.54
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	16	0.54
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG21	19	0.54
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG21	21	0.54
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG21	39	0.54
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG21	41	0.54
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	43	0.54
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD23	4	0.54
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	11	0.54
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD21	35	0.54
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	11	0.54
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	16	0.54
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	42	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	31	0.54
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	8	0.54
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	29	0.54
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	48	0.54
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	2	0.54
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	46	0.54
(1,154)	1:23:A:CYS:HB3	1:20:A:PHE:HA	26	0.54
(1,136)	1:17:A:LYS:HB2	1:17:A:LYS:HD3	41	0.54
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	43	0.54
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	25	0.54
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	22	0.53
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	8	0.53
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	8	0.53
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	20	0.53
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	18	0.53
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	44	0.53
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	32	0.53
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	32	0.53
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	32	0.53
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	23	0.53
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	1	0.53
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	6	0.53
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	10	0.53
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	22	0.53
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	23	0.53
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	37	0.53
(2,733)	1:23:A:CYS:HB2	1:24:A:TYR:H	38	0.53
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	17	0.53
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	17	0.53
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	11	0.53
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	11	0.53
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	11	0.53
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	16	0.53
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	20	0.53
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	24	0.53
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	30	0.53
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	35	0.53
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	47	0.53
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	26	0.53
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	26	0.53
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	26	0.53
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	39	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	17	0.53
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	17	0.53
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	23	0.53
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	8	0.53
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	39	0.53
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	16	0.53
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	20	0.53
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	24	0.53
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	30	0.53
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	35	0.53
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	44	0.53
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	1	0.53
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	6	0.53
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	10	0.53
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	22	0.53
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	23	0.53
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	37	0.53
(2,323)	1:23:A:CYS:HB2	1:24:A:TYR:H	38	0.53
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	47	0.53
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	8	0.53
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	20	0.53
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	18	0.53
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	22	0.53
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	32	0.53
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	32	0.53
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	32	0.53
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	9	0.53
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	44	0.53
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	34	0.53
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	39	0.53
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	43	0.53
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	22	0.53
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	8	0.53
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	8	0.53
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	20	0.53
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	18	0.53
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	44	0.53
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	32	0.53
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	32	0.53
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	32	0.53
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	23	0.53
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	1	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	6	0.53
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	10	0.53
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	22	0.53
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	23	0.53
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	37	0.53
(1,709)	1:23:A:CYS:HB2	1:24:A:TYR:H	38	0.53
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	16	0.53
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	20	0.53
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	24	0.53
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	30	0.53
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	35	0.53
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	47	0.53
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	39	0.53
(1,414)	1:2:A:SER:HB3	1:5:A:GLN:HB3	6	0.53
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	1	0.53
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	2	0.53
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	3	0.53
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	35	0.53
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG21	36	0.53
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG21	49	0.53
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	9	0.53
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	30	0.53
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	33	0.53
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	5	0.53
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	4	0.53
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	22	0.53
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	31	0.53
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	38	0.53
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	34	0.53
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	45	0.53
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG21	9	0.53
(1,173)	1:10:A:TYR:HA	1:13:A:CYS:HB3	37	0.53
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	1	0.53
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	15	0.53
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	16	0.53
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	25	0.53
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	36	0.53
(1,154)	1:23:A:CYS:HB3	1:20:A:PHE:HA	38	0.53
(1,154)	1:23:A:CYS:HB3	1:20:A:PHE:HA	47	0.53
(1,136)	1:17:A:LYS:HB2	1:17:A:LYS:HD3	5	0.53
(1,136)	1:17:A:LYS:HB2	1:17:A:LYS:HD3	9	0.53
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	9	0.52
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	13	0.52
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	15	0.52
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	16	0.52
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	37	0.52
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	7	0.52
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	13	0.52
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	28	0.52
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	40	0.52
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	23	0.52
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	23	0.52
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	39	0.52
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	6	0.52
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	6	0.52
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	6	0.52
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	18	0.52
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	18	0.52
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	18	0.52
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	22	0.52
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	22	0.52
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	22	0.52
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	41	0.52
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	13	0.52
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	21	0.52
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	28	0.52
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	3	0.52
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	15	0.52
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	24	0.52
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	33	0.52
(2,668)	1:15:A:VAL:HG21	1:12:A:GLN:HE22	40	0.52
(2,668)	1:15:A:VAL:HG22	1:12:A:GLN:HE22	40	0.52
(2,668)	1:15:A:VAL:HG23	1:12:A:GLN:HE22	40	0.52
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	30	0.52
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	30	0.52
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	30	0.52
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	1	0.52
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	21	0.52
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	23	0.52
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG21	23	0.52
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG22	23	0.52
(2,575)	1:14:A:ASN:HB2	1:18:A:VAL:HG23	23	0.52
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	41	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	9	0.52
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	30	0.52
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	30	0.52
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	30	0.52
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	1	0.52
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	21	0.52
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	23	0.52
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	13	0.52
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	21	0.52
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	28	0.52
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	3	0.52
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	15	0.52
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	24	0.52
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	33	0.52
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	40	0.52
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	13	0.52
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	15	0.52
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	16	0.52
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	37	0.52
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	23	0.52
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	23	0.52
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	39	0.52
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	7	0.52
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	13	0.52
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	28	0.52
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	6	0.52
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	6	0.52
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	6	0.52
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	18	0.52
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	18	0.52
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	18	0.52
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	22	0.52
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	22	0.52
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	22	0.52
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	2	0.52
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	30	0.52
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG3	1	0.52
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG3	23	0.52
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	30	0.52
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	2	0.52
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	9	0.52
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	13	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	15	0.52
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	16	0.52
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	37	0.52
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	7	0.52
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	13	0.52
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	28	0.52
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	40	0.52
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	39	0.52
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	6	0.52
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	6	0.52
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	6	0.52
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	18	0.52
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	18	0.52
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	18	0.52
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	22	0.52
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	22	0.52
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	22	0.52
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	41	0.52
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	13	0.52
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	21	0.52
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	28	0.52
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	3	0.52
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	15	0.52
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	24	0.52
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	33	0.52
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	30	0.52
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	30	0.52
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	30	0.52
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	1	0.52
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	21	0.52
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	23	0.52
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG21	6	0.52
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	27	0.52
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	32	0.52
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG21	42	0.52
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	46	0.52
(1,389)	1:30:A:LEU:HD12	1:30:A:LEU:H	26	0.52
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	46	0.52
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	4	0.52
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	12	0.52
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	20	0.52
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	22	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	25	0.52
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	26	0.52
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	27	0.52
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	42	0.52
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	46	0.52
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	18	0.52
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	24	0.52
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	23	0.52
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	32	0.52
(1,190)	1:18:A:VAL:HG22	1:22:A:GLN:HG3	1	0.52
(1,190)	1:18:A:VAL:HG22	1:22:A:GLN:HG3	27	0.52
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	4	0.52
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG21	37	0.52
(1,183)	1:18:A:VAL:HG22	1:23:A:CYS:HB2	26	0.52
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	22	0.52
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	27	0.52
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	19	0.52
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	41	0.52
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	45	0.52
(1,154)	1:23:A:CYS:HB3	1:20:A:PHE:HA	39	0.52
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	11	0.52
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	35	0.52
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	36	0.52
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	1	0.51
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	4	0.51
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	19	0.51
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	21	0.51
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	44	0.51
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	4	0.51
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	22	0.51
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	30	0.51
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	32	0.51
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	34	0.51
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	36	0.51
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	18	0.51
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	18	0.51
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	5	0.51
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	31	0.51
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	13	0.51
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	13	0.51
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	13	0.51
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	16	0.51
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	48	0.51
(2,807)	1:26:A:MET:HB2	1:27:A:CYS:H	20	0.51
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	20	0.51
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	31	0.51
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	36	0.51
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	49	0.51
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	49	0.51
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	27	0.51
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	11	0.51
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	33	0.51
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG11	37	0.51
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG12	37	0.51
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG13	37	0.51
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	47	0.51
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	47	0.51
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	30	0.51
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	14	0.51
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	16	0.51
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	48	0.51
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	49	0.51
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	47	0.51
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	47	0.51
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	21	0.51
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	44	0.51
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	30	0.51
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	33	0.51
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	20	0.51
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	31	0.51
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	36	0.51
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	49	0.51
(2,377)	1:26:A:MET:HB2	1:27:A:CYS:H	20	0.51
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	27	0.51
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	4	0.51
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	22	0.51
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	30	0.51
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	32	0.51
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	34	0.51
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	36	0.51
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	18	0.51
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	18	0.51
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	31	0.51
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	1	0.51
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	4	0.51
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	19	0.51
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	11	0.51
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	13	0.51
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	13	0.51
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	13	0.51
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	25	0.51
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	19	0.51
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	48	0.51
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	1	0.51
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	4	0.51
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	19	0.51
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	21	0.51
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	44	0.51
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	4	0.51
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	22	0.51
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	30	0.51
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	32	0.51
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	34	0.51
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	36	0.51
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	5	0.51
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	31	0.51
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	13	0.51
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	13	0.51
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	13	0.51
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	14	0.51
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	16	0.51
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	48	0.51
(1,782)	1:26:A:MET:HB2	1:27:A:CYS:H	20	0.51
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	20	0.51
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	31	0.51
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	36	0.51
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	49	0.51
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	49	0.51
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	27	0.51
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	11	0.51
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	33	0.51
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	30	0.51
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	22	0.51
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	44	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	50	0.51
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	13	0.51
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	3	0.51
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	7	0.51
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	44	0.51
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	13	0.51
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	23	0.51
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	37	0.51
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	11	0.51
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	14	0.51
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	15	0.51
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	19	0.51
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	26	0.51
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	37	0.51
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	39	0.51
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	46	0.51
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	48	0.51
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	2	0.51
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	15	0.51
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	4	0.51
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	25	0.51
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	9	0.51
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	20	0.51
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	21	0.51
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	44	0.51
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG13	18	0.51
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	4	0.51
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	8	0.5
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	38	0.5
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	50	0.5
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	50	0.5
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	11	0.5
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	25	0.5
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	35	0.5
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	45	0.5
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	48	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	1	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	1	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	2	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	2	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	3	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	4	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	4	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	5	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	5	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	6	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	6	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	7	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	7	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	8	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	8	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	9	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	9	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	10	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	10	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	12	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	12	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	13	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	13	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	14	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	14	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	15	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	15	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	16	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	16	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	17	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	17	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	19	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	19	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	20	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	20	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	21	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	21	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	22	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	22	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	23	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	23	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	24	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	24	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	26	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	26	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	28	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	28	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	29	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	29	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	30	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	30	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	31	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	31	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	32	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	32	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	33	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	33	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	34	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	34	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	35	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	35	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	36	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	36	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	37	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	37	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	38	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	38	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	39	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	39	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	40	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	40	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	41	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	41	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	42	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	42	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	43	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	43	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	44	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	44	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	45	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	45	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	46	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	46	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	47	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	47	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	48	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	48	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	49	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	49	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	50	0.5
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	50	0.5
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	38	0.5
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	9	0.5
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	9	0.5
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	9	0.5
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	14	0.5
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	14	0.5
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	14	0.5
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	16	0.5
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	16	0.5
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	16	0.5
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	3	0.5
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	7	0.5
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	9	0.5
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	29	0.5
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	33	0.5
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	35	0.5
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	44	0.5
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	26	0.5
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	45	0.5
(2,733)	1:23:A:CYS:HB2	1:24:A:TYR:H	47	0.5
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	8	0.5
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	8	0.5
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	11	0.5
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	11	0.5
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	16	0.5
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	16	0.5
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	15	0.5
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	15	0.5
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	15	0.5
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	50	0.5
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	50	0.5
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	50	0.5
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG11	18	0.5
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG12	18	0.5
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG13	18	0.5
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	42	0.5
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	42	0.5
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	42	0.5
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	31	0.5
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	23	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,479)	1:7:A:LYS:HB3	1:7:A:LYS:HD2	16	0.5
(2,479)	1:7:A:LYS:HB3	1:7:A:LYS:HD3	16	0.5
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	8	0.5
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	8	0.5
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	50	0.5
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	31	0.5
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	3	0.5
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	7	0.5
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	9	0.5
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	29	0.5
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	33	0.5
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	35	0.5
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	44	0.5
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	26	0.5
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	45	0.5
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	23	0.5
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	15	0.5
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	15	0.5
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	15	0.5
(2,323)	1:23:A:CYS:HB2	1:24:A:TYR:H	47	0.5
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	11	0.5
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	25	0.5
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	35	0.5
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	45	0.5
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	48	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	1	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	1	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	2	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	2	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	3	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	3	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	4	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	4	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	5	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	5	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	6	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	6	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	7	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	7	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	8	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	8	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	9	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	10	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	10	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	12	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	12	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	13	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	13	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	14	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	14	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	15	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	15	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	16	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	16	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	17	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	17	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	19	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	19	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	20	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	20	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	21	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	21	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	22	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	22	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	23	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	23	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	24	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	24	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	26	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	26	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	28	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	28	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	29	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	29	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	30	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	30	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	31	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	31	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	32	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	32	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	33	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	33	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	34	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	34	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	35	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	35	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	36	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	36	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	37	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	37	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	38	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	38	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	39	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	39	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	40	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	40	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	41	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	41	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	42	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	42	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	43	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	43	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	44	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	44	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	45	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	45	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	46	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	46	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	47	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	47	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	48	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	48	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	49	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	49	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	50	0.5
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	50	0.5
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	38	0.5
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	8	0.5
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	38	0.5
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	50	0.5
(2,79)	1:7:A:LYS:HB3	1:7:A:LYS:HD2	16	0.5
(2,79)	1:7:A:LYS:HB3	1:7:A:LYS:HD3	16	0.5
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	9	0.5
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	9	0.5
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	14	0.5
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	14	0.5
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	14	0.5
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	16	0.5
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	16	0.5
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	16	0.5
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	42	0.5
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	42	0.5
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	42	0.5
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	11	0.5
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	11	0.5
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	16	0.5
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	16	0.5
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	44	0.5
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	8	0.5
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	38	0.5
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	50	0.5
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	50	0.5
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	11	0.5
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	25	0.5
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	35	0.5
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	45	0.5
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	48	0.5
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	38	0.5
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	9	0.5
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	9	0.5
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	9	0.5
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	14	0.5
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	14	0.5
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	14	0.5
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	16	0.5
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	16	0.5
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	16	0.5
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	3	0.5
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	7	0.5
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	9	0.5
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	29	0.5
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	33	0.5
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	35	0.5
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	44	0.5
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	26	0.5
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	45	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:23:A:CYS:HB2	1:24:A:TYR:H	47	0.5
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	15	0.5
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	15	0.5
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	15	0.5
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	42	0.5
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	42	0.5
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	42	0.5
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	31	0.5
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	23	0.5
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG21	25	0.5
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	48	0.5
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	10	0.5
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	39	0.5
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	41	0.5
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	40	0.5
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	18	0.5
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	23	0.5
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	25	0.5
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	29	0.5
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	48	0.5
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	13	0.5
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	17	0.5
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	46	0.5
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	17	0.5
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	32	0.5
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG21	33	0.5
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	16	0.5
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	9	0.5
(1,81)	1:24:A:TYR:HD1	1:28:A:SER:HB2	29	0.5
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	43	0.5
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	6	0.5
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	29	0.5
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	11	0.49
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	28	0.49
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	5	0.49
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	10	0.49
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	27	0.49
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	41	0.49
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	44	0.49
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	11	0.49
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	11	0.49
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	27	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	27	0.49
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	23	0.49
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	38	0.49
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	10	0.49
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	43	0.49
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	41	0.49
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	44	0.49
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	46	0.49
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	8	0.49
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	1	0.49
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	1	0.49
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	1	0.49
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	49	0.49
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	49	0.49
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	49	0.49
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	5	0.49
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	11	0.49
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	14	0.49
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	16	0.49
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	34	0.49
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	40	0.49
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	41	0.49
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	45	0.49
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	48	0.49
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	4	0.49
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	6	0.49
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	6	0.49
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	16	0.49
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	42	0.49
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	6	0.49
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	6	0.49
(2,668)	1:15:A:VAL:HG21	1:12:A:GLN:HE22	14	0.49
(2,668)	1:15:A:VAL:HG22	1:12:A:GLN:HE22	14	0.49
(2,668)	1:15:A:VAL:HG23	1:12:A:GLN:HE22	14	0.49
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	12	0.49
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	7	0.49
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	47	0.49
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	29	0.49
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	29	0.49
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	29	0.49
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	30	0.49
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	30	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	30	0.49
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	17	0.49
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	17	0.49
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	17	0.49
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	32	0.49
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	6	0.49
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	6	0.49
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	32	0.49
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	10	0.49
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	43	0.49
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	5	0.49
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	11	0.49
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	14	0.49
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	16	0.49
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	34	0.49
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	40	0.49
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	41	0.49
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	45	0.49
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	48	0.49
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	4	0.49
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	5	0.49
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	10	0.49
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	27	0.49
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	41	0.49
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	44	0.49
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	11	0.49
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	11	0.49
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	27	0.49
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	27	0.49
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	8	0.49
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	23	0.49
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	38	0.49
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	41	0.49
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	44	0.49
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	46	0.49
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	11	0.49
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	28	0.49
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	12	0.49
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	1	0.49
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	1	0.49
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	1	0.49
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	49	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	49	0.49
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	49	0.49
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	17	0.49
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	17	0.49
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	17	0.49
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	16	0.49
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	42	0.49
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	6	0.49
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	6	0.49
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	7	0.49
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	47	0.49
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	3	0.49
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	11	0.49
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	20	0.49
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	11	0.49
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	15	0.49
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	11	0.49
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	28	0.49
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	5	0.49
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	10	0.49
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	27	0.49
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	41	0.49
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	44	0.49
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	23	0.49
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	38	0.49
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	10	0.49
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	43	0.49
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	41	0.49
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	44	0.49
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	46	0.49
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	8	0.49
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	1	0.49
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	1	0.49
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	1	0.49
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	49	0.49
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	49	0.49
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	49	0.49
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	5	0.49
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	11	0.49
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	14	0.49
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	16	0.49
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	34	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	40	0.49
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	41	0.49
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	45	0.49
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	48	0.49
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	4	0.49
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	16	0.49
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	42	0.49
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	12	0.49
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	7	0.49
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	47	0.49
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	17	0.49
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	17	0.49
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	17	0.49
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	32	0.49
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	11	0.49
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	17	0.49
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	23	0.49
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	26	0.49
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	11	0.49
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	28	0.49
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	50	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	1	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	3	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	5	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	7	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	12	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	15	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	17	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	20	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	25	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	27	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	29	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	30	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	38	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	40	0.49
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	43	0.49
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	14	0.49
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	2	0.49
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	3	0.49
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	10	0.49
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	33	0.49
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	45	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	24	0.49
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	27	0.49
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG21	42	0.49
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG21	50	0.49
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG11	35	0.49
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG12	39	0.49
(1,158)	1:23:A:CYS:HB3	1:13:A:CYS:HB3	49	0.49
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	14	0.49
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	27	0.49
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG13	28	0.49
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	15	0.49
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	7	0.49
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	6	0.48
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	13	0.48
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	43	0.48
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	21	0.48
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	46	0.48
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	5	0.48
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	24	0.48
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	31	0.48
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	37	0.48
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	40	0.48
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	3	0.48
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	10	0.48
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	12	0.48
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	17	0.48
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	30	0.48
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	34	0.48
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	37	0.48
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	47	0.48
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	31	0.48
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	4	0.48
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	45	0.48
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	2	0.48
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	4	0.48
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	24	0.48
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	25	0.48
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	39	0.48
(2,733)	1:23:A:CYS:HB2	1:24:A:TYR:H	33	0.48
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	31	0.48
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	31	0.48
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	40	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	40	0.48
(2,601)	1:13:A:CYS:HB2	1:13:A:CYS:H	24	0.48
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	34	0.48
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	19	0.48
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	19	0.48
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	19	0.48
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	5	0.48
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	5	0.48
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	49	0.48
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	49	0.48
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	3	0.48
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	43	0.48
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	31	0.48
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	31	0.48
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	40	0.48
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	40	0.48
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	5	0.48
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	5	0.48
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	49	0.48
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	49	0.48
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	3	0.48
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	13	0.48
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	43	0.48
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	31	0.48
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	2	0.48
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	4	0.48
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	24	0.48
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	25	0.48
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	39	0.48
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	43	0.48
(2,323)	1:23:A:CYS:HB2	1:24:A:TYR:H	33	0.48
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	21	0.48
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	46	0.48
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	45	0.48
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	5	0.48
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	24	0.48
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	31	0.48
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	37	0.48
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	40	0.48
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	3	0.48
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	10	0.48
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	17	0.48
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	30	0.48
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	34	0.48
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	37	0.48
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	47	0.48
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	4	0.48
(2,186)	1:13:A:CYS:HB2	1:13:A:CYS:H	24	0.48
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	6	0.48
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	34	0.48
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	5	0.48
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	5	0.48
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	5	0.48
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	1	0.48
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	16	0.48
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	23	0.48
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	39	0.48
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	2	0.48
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	10	0.48
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	17	0.48
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	20	0.48
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	33	0.48
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	39	0.48
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	6	0.48
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	13	0.48
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	43	0.48
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	21	0.48
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	46	0.48
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	5	0.48
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	24	0.48
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	31	0.48
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	37	0.48
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	40	0.48
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	3	0.48
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	10	0.48
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	12	0.48
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	17	0.48
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	30	0.48
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	34	0.48
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	37	0.48
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	47	0.48
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	31	0.48
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	45	0.48
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	2	0.48
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	4	0.48
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	24	0.48
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	25	0.48
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	39	0.48
(1,709)	1:23:A:CYS:HB2	1:24:A:TYR:H	33	0.48
(1,584)	1:13:A:CYS:HB2	1:13:A:CYS:H	24	0.48
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	34	0.48
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	3	0.48
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	43	0.48
(1,451)	1:12:A:GLN:HE21	1:15:A:VAL:HG23	28	0.48
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	28	0.48
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	15	0.48
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	36	0.48
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	48	0.48
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	10	0.48
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	12	0.48
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	17	0.48
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	45	0.48
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE3	2	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	2	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	4	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	8	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	9	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	11	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	14	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	16	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	22	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	28	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	31	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	34	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	35	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	39	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	41	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	45	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	46	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	47	0.48
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	50	0.48
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	33	0.48
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	9	0.48
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	8	0.48
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG12	9	0.48
(1,190)	1:18:A:VAL:HG23	1:22:A:GLN:HG3	6	0.48
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	30	0.48
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG21	39	0.48
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	1	0.48
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	22	0.48
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	35	0.48
(1,112)	1:30:A:LEU:HD13	1:30:A:LEU:HA	30	0.48
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	9	0.48
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	38	0.48
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	40	0.48
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	7	0.48
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	2	0.48
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	8	0.48
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	49	0.47
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	30	0.47
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	43	0.47
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	2	0.47
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	19	0.47
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	7	0.47
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	13	0.47
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	11	0.47
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	26	0.47
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	48	0.47
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	1	0.47
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	5	0.47
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	27	0.47
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	6	0.47
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	33	0.47
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	33	0.47
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	33	0.47
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	45	0.47
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	45	0.47
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	45	0.47
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	21	0.47
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	25	0.47
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	8	0.47
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	17	0.47
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	27	0.47
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	18	0.47
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	5	0.47
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	5	0.47
(2,668)	1:15:A:VAL:HG21	1:12:A:GLN:HE22	11	0.47
(2,668)	1:15:A:VAL:HG22	1:12:A:GLN:HE22	11	0.47
(2,668)	1:15:A:VAL:HG23	1:12:A:GLN:HE22	11	0.47
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	21	0.47
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	21	0.47
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	21	0.47
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	25	0.47
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	25	0.47
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	25	0.47
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	28	0.47
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	28	0.47
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	28	0.47
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	46	0.47
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	46	0.47
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	46	0.47
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	26	0.47
(2,601)	1:13:A:CYS:HB2	1:13:A:CYS:H	5	0.47
(2,601)	1:13:A:CYS:HB2	1:13:A:CYS:H	31	0.47
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	45	0.47
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	5	0.47
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	5	0.47
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	5	0.47
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	34	0.47
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	41	0.47
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	21	0.47
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	25	0.47
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	41	0.47
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	5	0.47
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	5	0.47
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	5	0.47
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	21	0.47
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	21	0.47
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	21	0.47
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	25	0.47
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	25	0.47
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	25	0.47
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	28	0.47
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	28	0.47
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	28	0.47
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	46	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	46	0.47
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	46	0.47
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	26	0.47
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	8	0.47
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	17	0.47
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	27	0.47
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	18	0.47
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	45	0.47
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	2	0.47
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	19	0.47
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	6	0.47
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	7	0.47
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	13	0.47
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	11	0.47
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	26	0.47
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	48	0.47
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	1	0.47
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	5	0.47
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	27	0.47
(2,186)	1:13:A:CYS:HB2	1:13:A:CYS:H	5	0.47
(2,186)	1:13:A:CYS:HB2	1:13:A:CYS:H	31	0.47
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	49	0.47
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	30	0.47
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	43	0.47
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	33	0.47
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	33	0.47
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	33	0.47
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	45	0.47
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	45	0.47
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	45	0.47
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	5	0.47
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	5	0.47
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	5	0.47
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	34	0.47
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	7	0.47
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	19	0.47
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	49	0.47
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	14	0.47
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	41	0.47
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	49	0.47
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	30	0.47
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	43	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	2	0.47
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	19	0.47
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	7	0.47
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	13	0.47
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	11	0.47
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	26	0.47
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	48	0.47
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	1	0.47
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	5	0.47
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	27	0.47
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	6	0.47
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	33	0.47
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	33	0.47
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	33	0.47
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	45	0.47
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	45	0.47
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	45	0.47
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	21	0.47
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	25	0.47
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	8	0.47
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	17	0.47
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	27	0.47
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	18	0.47
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	5	0.47
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	5	0.47
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	5	0.47
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	21	0.47
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	21	0.47
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	21	0.47
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	25	0.47
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	25	0.47
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	25	0.47
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	28	0.47
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	28	0.47
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	28	0.47
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	46	0.47
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	46	0.47
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	46	0.47
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	26	0.47
(1,584)	1:13:A:CYS:HB2	1:13:A:CYS:H	5	0.47
(1,584)	1:13:A:CYS:HB2	1:13:A:CYS:H	31	0.47
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	45	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	5	0.47
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	5	0.47
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	5	0.47
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	34	0.47
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	41	0.47
(1,439)	1:6:A:ALA:HB1	1:31:A:GLU:HB3	23	0.47
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	5	0.47
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	40	0.47
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	42	0.47
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	34	0.47
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	46	0.47
(1,388)	1:30:A:LEU:H	1:30:A:LEU:HD22	39	0.47
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	6	0.47
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	13	0.47
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	32	0.47
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	35	0.47
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	36	0.47
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	43	0.47
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	10	0.47
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	19	0.47
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	21	0.47
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	26	0.47
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	33	0.47
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	36	0.47
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	42	0.47
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	49	0.47
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	45	0.47
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	41	0.47
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	7	0.47
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	27	0.47
(1,192)	1:31:A:GLU:HB2	1:30:A:LEU:HD13	18	0.47
(1,190)	1:18:A:VAL:HG21	1:22:A:GLN:HG3	32	0.47
(1,190)	1:18:A:VAL:HG21	1:22:A:GLN:HG3	34	0.47
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	7	0.47
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	44	0.47
(1,183)	1:18:A:VAL:HG23	1:23:A:CYS:HB2	47	0.47
(1,179)	1:18:A:VAL:HG22	1:14:A:ASN:HB3	29	0.47
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	8	0.47
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	49	0.47
(1,116)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	37	0.47
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	8	0.47
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	14	0.47
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	18	0.47
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	25	0.47
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	27	0.47
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	28	0.47
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	42	0.47
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	47	0.47
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	21	0.47
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	44	0.47
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	12	0.46
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	33	0.46
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	36	0.46
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	40	0.46
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	44	0.46
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	3	0.46
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	6	0.46
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	9	0.46
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	18	0.46
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	38	0.46
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	49	0.46
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	6	0.46
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	22	0.46
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	24	0.46
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	25	0.46
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	27	0.46
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	32	0.46
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	42	0.46
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	46	0.46
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	50	0.46
(2,850)	1:2:A:SER:HB2	1:2:A:SER:H	38	0.46
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	12	0.46
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	12	0.46
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	12	0.46
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	24	0.46
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	24	0.46
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	24	0.46
(2,807)	1:26:A:MET:HB2	1:27:A:CYS:H	44	0.46
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	26	0.46
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	38	0.46
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	42	0.46
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	5	0.46
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	39	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	18	0.46
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	18	0.46
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	20	0.46
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	20	0.46
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	25	0.46
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	25	0.46
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	5	0.46
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	3	0.46
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	3	0.46
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	3	0.46
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	36	0.46
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	36	0.46
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	36	0.46
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	18	0.46
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	41	0.46
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	41	0.46
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	41	0.46
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	30	0.46
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	31	0.46
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	46	0.46
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	34	0.46
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	16	0.46
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	16	0.46
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	16	0.46
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	41	0.46
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	41	0.46
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	41	0.46
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	21	0.46
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	21	0.46
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	21	0.46
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	27	0.46
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	15	0.46
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	18	0.46
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	25	0.46
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	35	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	1	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	2	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	3	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	5	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	6	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	7	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	13	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	14	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	17	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	19	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	20	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	23	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	24	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	26	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	28	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	29	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	32	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	33	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	34	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	35	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	36	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	37	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	38	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	39	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	40	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	41	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	42	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	44	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	45	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	46	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	48	0.46
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	49	0.46
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	8	0.46
(2,479)	1:7:A:LYS:HB3	1:7:A:LYS:HD2	20	0.46
(2,479)	1:7:A:LYS:HB3	1:7:A:LYS:HD3	20	0.46
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	50	0.46
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	18	0.46
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	18	0.46
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	20	0.46
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	20	0.46
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	5	0.46
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	27	0.46
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	40	0.46
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	15	0.46
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	18	0.46
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	25	0.46
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	35	0.46
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	41	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	41	0.46
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	41	0.46
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	5	0.46
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	26	0.46
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	38	0.46
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	42	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	1	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	2	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	3	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	5	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	6	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	7	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	8	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	13	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	14	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	17	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	19	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	20	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	23	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	24	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	26	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	28	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	29	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	32	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	33	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	34	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	35	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	36	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	37	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	38	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	39	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	40	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	41	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	42	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	44	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	45	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	46	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	48	0.46
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	49	0.46
(2,377)	1:26:A:MET:HB2	1:27:A:CYS:H	44	0.46
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	39	0.46
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	3	0.46
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	6	0.46
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	9	0.46
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	18	0.46
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	38	0.46
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	49	0.46
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	6	0.46
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	22	0.46
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	24	0.46
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	25	0.46
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	27	0.46
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	32	0.46
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	42	0.46
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	46	0.46
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	50	0.46
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	18	0.46
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	12	0.46
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	33	0.46
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	36	0.46
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	44	0.46
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	34	0.46
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	30	0.46
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	31	0.46
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	46	0.46
(2,79)	1:7:A:LYS:HB3	1:7:A:LYS:HD2	20	0.46
(2,79)	1:7:A:LYS:HB3	1:7:A:LYS:HD3	20	0.46
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	50	0.46
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	12	0.46
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	12	0.46
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	12	0.46
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	24	0.46
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	24	0.46
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	24	0.46
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	25	0.46
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	25	0.46
(2,5)	1:2:A:SER:HB2	1:2:A:SER:H	38	0.46
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	34	0.46
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	8	0.46
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	28	0.46
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	31	0.46
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	1	0.46
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	26	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	42	0.46
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	48	0.46
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	9	0.46
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	45	0.46
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG2	48	0.46
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	12	0.46
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	33	0.46
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	36	0.46
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	40	0.46
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	44	0.46
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	3	0.46
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	6	0.46
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	9	0.46
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	18	0.46
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	38	0.46
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	49	0.46
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	6	0.46
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	22	0.46
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	24	0.46
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	25	0.46
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	27	0.46
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	32	0.46
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	42	0.46
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	46	0.46
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	50	0.46
(1,824)	1:2:A:SER:HB2	1:2:A:SER:H	38	0.46
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	12	0.46
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	12	0.46
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	12	0.46
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	24	0.46
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	24	0.46
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	24	0.46
(1,782)	1:26:A:MET:HB2	1:27:A:CYS:H	44	0.46
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	26	0.46
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	38	0.46
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	42	0.46
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	5	0.46
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	39	0.46
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	5	0.46
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	18	0.46
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	41	0.46
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	41	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	41	0.46
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	30	0.46
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	31	0.46
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	46	0.46
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	34	0.46
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	27	0.46
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	15	0.46
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	18	0.46
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	25	0.46
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	35	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	1	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	2	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	3	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	5	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	6	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	7	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	8	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	13	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	14	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	17	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	19	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	20	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	23	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	24	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	26	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	28	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	29	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	32	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	33	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	34	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	35	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	36	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	37	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	38	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	39	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	40	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	41	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	42	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	44	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	45	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	46	0.46
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	48	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	49	0.46
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	8	0.46
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	50	0.46
(1,440)	1:31:A:GLU:HB2	1:30:A:LEU:HD21	37	0.46
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	2	0.46
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	7	0.46
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	19	0.46
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	30	0.46
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	47	0.46
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	47	0.46
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	14	0.46
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	32	0.46
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	5	0.46
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	24	0.46
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	34	0.46
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	47	0.46
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	6	0.46
(1,312)	1:16:A:ASN:H	1:16:A:ASN:HB3	48	0.46
(1,291)	1:13:A:CYS:H	1:13:A:CYS:HB3	40	0.46
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	29	0.46
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	46	0.46
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	30	0.46
(1,190)	1:18:A:VAL:HG23	1:22:A:GLN:HG3	49	0.46
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	3	0.46
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	40	0.46
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	12	0.46
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	32	0.46
(1,151)	1:8:A:TYR:HA	1:11:A:GLU:HB3	10	0.46
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	4	0.46
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	6	0.46
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	10	0.46
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	13	0.46
(1,83)	1:24:A:TYR:HE1	1:28:A:SER:HB2	19	0.46
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	36	0.46
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	45	0.46
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	35	0.45
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	42	0.45
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	32	0.45
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	27	0.45
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	29	0.45
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	45	0.45
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	43	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	18	0.45
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	47	0.45
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	25	0.45
(2,865)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	25	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	1	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	2	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	4	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	8	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	9	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	14	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	19	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	21	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	35	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	36	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	41	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	43	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	44	0.45
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	49	0.45
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	18	0.45
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	18	0.45
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	2	0.45
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	20	0.45
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	44	0.45
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	11	0.45
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	11	0.45
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	11	0.45
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	47	0.45
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	20	0.45
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	11	0.45
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	24	0.45
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	28	0.45
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	49	0.45
(2,733)	1:23:A:CYS:HB2	1:24:A:TYR:H	26	0.45
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	45	0.45
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	45	0.45
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	27	0.45
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	27	0.45
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	34	0.45
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	34	0.45
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	18	0.45
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	18	0.45
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	4	0.45
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	4	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	6	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	6	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	6	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	11	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	11	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	11	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	15	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	15	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	15	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	19	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	19	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	19	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	24	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	24	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	24	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	29	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	29	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	29	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	32	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	32	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	32	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	34	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	34	0.45
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	34	0.45
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	23	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	1	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	2	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	3	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	4	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	5	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	6	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	7	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	8	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	9	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	10	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	11	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	12	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	13	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	14	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	16	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	17	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	18	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	19	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	20	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	21	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	22	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	23	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	24	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	25	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	26	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	27	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	28	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	29	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	30	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	31	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	32	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	33	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	35	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	36	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	37	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	38	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	39	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	40	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	41	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	42	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	43	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	44	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	45	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	46	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	47	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	48	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	49	0.45
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	50	0.45
(2,601)	1:13:A:CYS:HB2	1:13:A:CYS:H	23	0.45
(2,601)	1:13:A:CYS:HB2	1:13:A:CYS:H	28	0.45
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	19	0.45
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	17	0.45
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	17	0.45
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	17	0.45
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	37	0.45
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	37	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	37	0.45
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	7	0.45
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	16	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	4	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	9	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	10	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	11	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	12	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	15	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	16	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	18	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	21	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	22	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	25	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	27	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	30	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	31	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	43	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	47	0.45
(2,511)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	50	0.45
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	14	0.45
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	22	0.45
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	45	0.45
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	45	0.45
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	47	0.45
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	27	0.45
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	7	0.45
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	16	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	6	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	6	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	6	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	11	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	11	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	11	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	15	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	15	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	15	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	19	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	19	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	19	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	24	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	24	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	24	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	29	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	29	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	29	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	32	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	32	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	32	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	34	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	34	0.45
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	34	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	4	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	9	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	10	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	11	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	12	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	15	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	16	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	18	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	21	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	22	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	25	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	27	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	30	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	31	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	43	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	47	0.45
(2,380)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	50	0.45
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	11	0.45
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	24	0.45
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	28	0.45
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	49	0.45
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	20	0.45
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	14	0.45
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	18	0.45
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	18	0.45
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	18	0.45
(2,323)	1:23:A:CYS:HB2	1:24:A:TYR:H	26	0.45
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	43	0.45
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	18	0.45
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	18	0.45
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG2	25	0.45
(2,261)	1:19:A:PRO:HD3	1:19:A:PRO:HG3	25	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	2	0.45
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	20	0.45
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	44	0.45
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	18	0.45
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	47	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	1	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	2	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	4	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	8	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	9	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	14	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	19	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	21	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	35	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	36	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	41	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	43	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	44	0.45
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	49	0.45
(2,186)	1:13:A:CYS:HB2	1:13:A:CYS:H	23	0.45
(2,186)	1:13:A:CYS:HB2	1:13:A:CYS:H	28	0.45
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	35	0.45
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	42	0.45
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	32	0.45
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	29	0.45
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	45	0.45
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	23	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	1	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	2	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	3	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	4	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	5	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	6	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	7	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	8	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	9	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	10	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	11	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	12	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	13	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	14	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	16	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	17	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	18	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	19	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	20	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	21	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	22	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	23	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	24	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	25	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	26	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	27	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	28	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	29	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	30	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	31	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	32	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	33	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	35	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	36	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	37	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	38	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	39	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	40	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	41	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	42	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	43	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	44	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	45	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	46	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	47	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	48	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	49	0.45
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	50	0.45
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	22	0.45
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	11	0.45
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	11	0.45
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	11	0.45
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	37	0.45
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	37	0.45
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	37	0.45
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	4	0.45
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	27	0.45
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	27	0.45
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	34	0.45
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	34	0.45
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	19	0.45
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	4	0.45
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	4	0.45
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	4	0.45
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	19	0.45
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	24	0.45
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	3	0.45
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	12	0.45
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	29	0.45
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	36	0.45
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	38	0.45
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	9	0.45
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	24	0.45
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	4	0.45
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	25	0.45
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	35	0.45
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	42	0.45
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	32	0.45
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	27	0.45
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	29	0.45
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	45	0.45
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	43	0.45
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	18	0.45
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	47	0.45
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	1	0.45
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	2	0.45
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	4	0.45
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	8	0.45
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	9	0.45
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	14	0.45
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	19	0.45
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	21	0.45
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	35	0.45
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	36	0.45
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	41	0.45
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	43	0.45
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	44	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	49	0.45
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	2	0.45
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	20	0.45
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	44	0.45
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	11	0.45
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	11	0.45
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	11	0.45
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	47	0.45
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	20	0.45
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	11	0.45
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	24	0.45
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	28	0.45
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	49	0.45
(1,709)	1:23:A:CYS:HB2	1:24:A:TYR:H	26	0.45
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	18	0.45
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	18	0.45
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	18	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	6	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	6	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	6	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	11	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	11	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	11	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	15	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	15	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	15	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	19	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	19	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	19	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	24	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	24	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	24	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	29	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	29	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	29	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	32	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	32	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	32	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	34	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	34	0.45
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	34	0.45
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	23	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	1	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	2	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	3	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	4	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	5	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	6	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	7	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	8	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	9	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	10	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	11	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	12	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	13	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	14	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	15	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	16	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	17	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	18	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	19	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	20	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	21	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	22	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	23	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	24	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	25	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	26	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	27	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	28	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	29	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	30	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	31	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	32	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	33	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	35	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	36	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	37	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	38	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	39	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	40	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	41	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	42	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	43	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	44	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	45	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	46	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	47	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	48	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	49	0.45
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	50	0.45
(1,584)	1:13:A:CYS:HB2	1:13:A:CYS:H	23	0.45
(1,584)	1:13:A:CYS:HB2	1:13:A:CYS:H	28	0.45
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	19	0.45
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	37	0.45
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	37	0.45
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	37	0.45
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	7	0.45
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	16	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	4	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	9	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	10	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	11	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	12	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	15	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	16	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	18	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	21	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	22	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	25	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	27	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	30	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	31	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	43	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	47	0.45
(1,501)	1:27:A:CYS:HB2	1:27:A:CYS:HB3	50	0.45
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	14	0.45
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	22	0.45
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	4	0.45
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	39	0.45
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	1	0.45
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	15	0.45
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	16	0.45
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	21	0.45
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	37	0.45
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	49	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	14	0.45
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	28	0.45
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	9	0.45
(1,190)	1:18:A:VAL:HG22	1:22:A:GLN:HG3	23	0.45
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	21	0.45
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	48	0.45
(1,185)	1:23:A:CYS:HB3	1:18:A:VAL:HG22	24	0.45
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	29	0.45
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	2	0.45
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	16	0.45
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	23	0.45
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	29	0.45
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	30	0.45
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	32	0.45
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	44	0.45
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	46	0.45
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	48	0.45
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	14	0.45
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	15	0.45
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	29	0.45
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	50	0.45
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	42	0.45
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	46	0.44
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	21	0.44
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	3	0.44
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	27	0.44
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	33	0.44
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	26	0.44
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	33	0.44
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	10	0.44
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	30	0.44
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	34	0.44
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	38	0.44
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	1	0.44
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	1	0.44
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	1	0.44
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	40	0.44
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	40	0.44
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	40	0.44
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	41	0.44
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	41	0.44
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	41	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	15	0.44
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	16	0.44
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	20	0.44
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	29	0.44
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	39	0.44
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	45	0.44
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	5	0.44
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	5	0.44
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	35	0.44
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	3	0.44
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	15	0.44
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	23	0.44
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	19	0.44
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	19	0.44
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	19	0.44
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	20	0.44
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	46	0.44
(2,797)	1:27:A:CYS:HB2	1:27:A:CYS:H	46	0.44
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	22	0.44
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	28	0.44
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	2	0.44
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	13	0.44
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	18	0.44
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	5	0.44
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	5	0.44
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	10	0.44
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	10	0.44
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	4	0.44
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	4	0.44
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	4	0.44
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	46	0.44
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	46	0.44
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	46	0.44
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	3	0.44
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	1	0.44
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	1	0.44
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	1	0.44
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	7	0.44
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	7	0.44
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	7	0.44
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	1	0.44
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	7	0.44
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	24	0.44
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	25	0.44
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	27	0.44
(2,631)	1:30:A:LEU:HB3	1:30:A:LEU:H	39	0.44
(2,610)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	34	0.44
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	2	0.44
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	4	0.44
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	10	0.44
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	15	0.44
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	32	0.44
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	33	0.44
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	41	0.44
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	42	0.44
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	49	0.44
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	9	0.44
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	9	0.44
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	9	0.44
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	16	0.44
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	16	0.44
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	16	0.44
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	7	0.44
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	7	0.44
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	24	0.44
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	24	0.44
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	27	0.44
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	27	0.44
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	8	0.44
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	8	0.44
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	15	0.44
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	15	0.44
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	13	0.44
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	4	0.44
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	14	0.44
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	28	0.44
(2,522)	1:30:A:LEU:HB3	1:30:A:LEU:HG	42	0.44
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	7	0.44
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	8	0.44
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	20	0.44
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	31	0.44
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	42	0.44
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	49	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	5	0.44
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	5	0.44
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	10	0.44
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	10	0.44
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	20	0.44
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	46	0.44
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	22	0.44
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	8	0.44
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	8	0.44
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	15	0.44
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	15	0.44
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	13	0.44
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	4	0.44
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	14	0.44
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	28	0.44
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	1	0.44
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	1	0.44
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	1	0.44
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	7	0.44
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	7	0.44
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	7	0.44
(2,428)	1:30:A:LEU:HB3	1:30:A:LEU:H	39	0.44
(2,420)	1:30:A:LEU:HB3	1:30:A:LEU:HG	42	0.44
(2,381)	1:27:A:CYS:HB2	1:27:A:CYS:H	46	0.44
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	1	0.44
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	1	0.44
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	1	0.44
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	40	0.44
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	40	0.44
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	40	0.44
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	41	0.44
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	41	0.44
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	41	0.44
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	2	0.44
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	13	0.44
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	18	0.44
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	28	0.44
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	4	0.44
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	4	0.44
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	4	0.44
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	46	0.44
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	46	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	46	0.44
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	26	0.44
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	33	0.44
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	5	0.44
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	5	0.44
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	3	0.44
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	15	0.44
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	23	0.44
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	10	0.44
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	30	0.44
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	34	0.44
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	38	0.44
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	15	0.44
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	16	0.44
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	20	0.44
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	29	0.44
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	39	0.44
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	45	0.44
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	35	0.44
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	3	0.44
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	46	0.44
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	21	0.44
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	3	0.44
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	27	0.44
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	33	0.44
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	1	0.44
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	3	0.44
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	7	0.44
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	24	0.44
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	25	0.44
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	27	0.44
(2,80)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	34	0.44
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	7	0.44
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	8	0.44
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	20	0.44
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	31	0.44
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	42	0.44
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	49	0.44
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	19	0.44
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	19	0.44
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	19	0.44
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	4	0.44
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	10	0.44
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	15	0.44
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	32	0.44
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	33	0.44
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	41	0.44
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	42	0.44
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	49	0.44
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	7	0.44
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	7	0.44
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	24	0.44
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	24	0.44
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	27	0.44
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	27	0.44
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	18	0.44
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	21	0.44
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	21	0.44
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	21	0.44
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	48	0.44
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	34	0.44
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	34	0.44
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	38	0.44
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	47	0.44
(1,922)	1:4:A:GLN:HA	1:4:A:GLN:HG3	11	0.44
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	46	0.44
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	21	0.44
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	3	0.44
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	27	0.44
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	33	0.44
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	26	0.44
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	33	0.44
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	10	0.44
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	30	0.44
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	34	0.44
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	38	0.44
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	1	0.44
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	1	0.44
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	1	0.44
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	40	0.44
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	40	0.44
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	40	0.44
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	41	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	41	0.44
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	41	0.44
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	15	0.44
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	16	0.44
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	20	0.44
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	29	0.44
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	39	0.44
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	45	0.44
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	29	0.44
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	35	0.44
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	3	0.44
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	15	0.44
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	23	0.44
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	19	0.44
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	19	0.44
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	19	0.44
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	20	0.44
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	46	0.44
(1,772)	1:27:A:CYS:HB2	1:27:A:CYS:H	46	0.44
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	22	0.44
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	28	0.44
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	2	0.44
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	13	0.44
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	18	0.44
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	4	0.44
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	4	0.44
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	4	0.44
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	46	0.44
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	46	0.44
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	46	0.44
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	3	0.44
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	1	0.44
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	1	0.44
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	1	0.44
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	7	0.44
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	7	0.44
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	7	0.44
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	1	0.44
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	3	0.44
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	7	0.44
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	24	0.44
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	25	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	27	0.44
(1,612)	1:30:A:LEU:HB3	1:30:A:LEU:H	39	0.44
(1,593)	1:7:A:LYS:HG2	1:7:A:LYS:HG3	34	0.44
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	2	0.44
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	4	0.44
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	10	0.44
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	15	0.44
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	32	0.44
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	33	0.44
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	41	0.44
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	42	0.44
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	49	0.44
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	13	0.44
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	4	0.44
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	14	0.44
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	28	0.44
(1,512)	1:30:A:LEU:HB3	1:30:A:LEU:HG	42	0.44
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	7	0.44
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	8	0.44
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	20	0.44
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	31	0.44
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	42	0.44
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	49	0.44
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	17	0.44
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	25	0.44
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	28	0.44
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	37	0.44
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	41	0.44
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	38	0.44
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	8	0.44
(1,291)	1:13:A:CYS:H	1:13:A:CYS:HB3	5	0.44
(1,291)	1:13:A:CYS:H	1:13:A:CYS:HB3	7	0.44
(1,291)	1:13:A:CYS:H	1:13:A:CYS:HB3	13	0.44
(1,291)	1:13:A:CYS:H	1:13:A:CYS:HB3	37	0.44
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	13	0.44
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	13	0.44
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	33	0.44
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	21	0.44
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	34	0.44
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	19	0.44
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	38	0.44
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG21	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG21	10	0.44
(1,183)	1:18:A:VAL:HG21	1:23:A:CYS:HB2	33	0.44
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	14	0.44
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG12	36	0.44
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	18	0.44
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	43	0.44
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	3	0.44
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	7	0.44
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	11	0.44
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	17	0.44
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	20	0.44
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	41	0.44
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	45	0.44
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	50	0.44
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	9	0.44
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	31	0.44
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	39	0.44
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	14	0.43
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	23	0.43
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	16	0.43
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	7	0.43
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	47	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	4	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	12	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	14	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	16	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	17	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	21	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	22	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	25	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	26	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	32	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	35	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	36	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	39	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	41	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	43	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	44	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	49	0.43
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	50	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	13	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	13	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	18	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	18	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	18	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	23	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	23	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	23	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	24	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	24	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	24	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	25	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	25	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	25	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	28	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	28	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	28	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	32	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	32	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	32	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	38	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	38	0.43
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	38	0.43
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	33	0.43
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	33	0.43
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	27	0.43
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	32	0.43
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	43	0.43
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	29	0.43
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	29	0.43
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	29	0.43
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	42	0.43
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	2	0.43
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	10	0.43
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	15	0.43
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	32	0.43
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	36	0.43
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	40	0.43
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	23	0.43
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	23	0.43
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	49	0.43
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	49	0.43
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	23	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	4	0.43
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	4	0.43
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	4	0.43
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	47	0.43
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	47	0.43
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	47	0.43
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	23	0.43
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	28	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	3	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	3	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	3	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	8	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	8	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	8	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	12	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	12	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	12	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	13	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	13	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	13	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	14	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	14	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	14	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	16	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	16	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	16	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	17	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	17	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	17	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	35	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	35	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	35	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	36	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	36	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	36	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	47	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	47	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	47	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	48	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	48	0.43
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	48	0.43
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	9	0.43
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	14	0.43
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	18	0.43
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	20	0.43
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	28	0.43
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	32	0.43
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	47	0.43
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	50	0.43
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	5	0.43
(2,601)	1:13:A:CYS:HB2	1:13:A:CYS:H	3	0.43
(2,601)	1:13:A:CYS:HB2	1:13:A:CYS:H	7	0.43
(2,601)	1:13:A:CYS:HB2	1:13:A:CYS:H	18	0.43
(2,601)	1:13:A:CYS:HB2	1:13:A:CYS:H	37	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	3	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	6	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	9	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	11	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	12	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	13	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	14	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	16	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	18	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	20	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	21	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	22	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	23	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	24	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	25	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	26	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	27	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	28	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	30	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	31	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	35	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	36	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	38	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	39	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	40	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	43	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	45	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	48	0.43
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	50	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	20	0.43
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	20	0.43
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	20	0.43
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	21	0.43
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	21	0.43
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	21	0.43
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	33	0.43
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	33	0.43
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	33	0.43
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	23	0.43
(2,522)	1:30:A:LEU:HB3	1:30:A:LEU:HG	4	0.43
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	4	0.43
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	16	0.43
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	28	0.43
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	35	0.43
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	36	0.43
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	39	0.43
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	44	0.43
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	23	0.43
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	23	0.43
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	49	0.43
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	49	0.43
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	2	0.43
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	23	0.43
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	4	0.43
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	4	0.43
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	4	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	3	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	3	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	3	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	8	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	8	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	8	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	12	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	12	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	12	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	13	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	13	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	13	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	14	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	14	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	16	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	16	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	16	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	17	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	17	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	17	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	35	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	35	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	35	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	36	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	36	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	36	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	47	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	47	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	47	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	48	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	48	0.43
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	48	0.43
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	5	0.43
(2,420)	1:30:A:LEU:HB3	1:30:A:LEU:HG	4	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	13	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	13	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	13	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	18	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	18	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	18	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	23	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	23	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	23	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	24	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	24	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	24	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	25	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	25	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	25	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	28	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	28	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	28	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	32	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	32	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	32	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	38	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	38	0.43
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	38	0.43
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	10	0.43
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	15	0.43
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	32	0.43
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	36	0.43
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	40	0.43
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	42	0.43
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	7	0.43
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	47	0.43
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	27	0.43
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	32	0.43
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	43	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	4	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	12	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	14	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	16	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	17	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	21	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	22	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	25	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	26	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	32	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	35	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	36	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	39	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	41	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	43	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	44	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	49	0.43
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	50	0.43
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	33	0.43
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	33	0.43
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	23	0.43
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	28	0.43
(2,186)	1:13:A:CYS:HB2	1:13:A:CYS:H	3	0.43
(2,186)	1:13:A:CYS:HB2	1:13:A:CYS:H	7	0.43
(2,186)	1:13:A:CYS:HB2	1:13:A:CYS:H	18	0.43
(2,186)	1:13:A:CYS:HB2	1:13:A:CYS:H	37	0.43
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	14	0.43
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	23	0.43
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	6	0.43
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	9	0.43
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	14	0.43
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	18	0.43
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	20	0.43
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	28	0.43
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	32	0.43
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	47	0.43
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	50	0.43
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	4	0.43
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	16	0.43
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	28	0.43
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	35	0.43
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	36	0.43
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	39	0.43
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	44	0.43
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	29	0.43
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	29	0.43
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	29	0.43
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	33	0.43
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	33	0.43
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	33	0.43
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	23	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	3	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	6	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	9	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	11	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	12	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	13	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	14	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	16	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	18	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	20	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	21	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	22	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	23	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	24	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	25	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	26	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	27	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	28	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	30	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	31	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	35	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	36	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	38	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	39	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	40	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	43	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	45	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	48	0.43
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	50	0.43
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	6	0.43
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	44	0.43
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	10	0.43
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	32	0.43
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	34	0.43
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	50	0.43
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	29	0.43
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	45	0.43
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	41	0.43
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	42	0.43
(1,922)	1:4:A:GLN:HA	1:4:A:GLN:HG2	4	0.43
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	14	0.43
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	23	0.43
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	16	0.43
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	7	0.43
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	47	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	4	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	12	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	14	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	16	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	17	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	21	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	22	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	25	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	26	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	32	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	35	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	36	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	39	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	41	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	43	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	44	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	49	0.43
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	50	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	13	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	13	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	13	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	18	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	18	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	18	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	23	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	23	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	23	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	24	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	24	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	24	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	25	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	25	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	25	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	28	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	28	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	28	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	32	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	32	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	32	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	38	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	38	0.43
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	38	0.43
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	33	0.43
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	33	0.43
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	27	0.43
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	32	0.43
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	43	0.43
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	29	0.43
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	29	0.43
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	29	0.43
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	42	0.43
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	2	0.43
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	10	0.43
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	15	0.43
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	32	0.43
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	36	0.43
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	40	0.43
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	23	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	4	0.43
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	4	0.43
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	4	0.43
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	23	0.43
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	28	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	3	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	3	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	3	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	8	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	8	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	8	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	12	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	12	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	12	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	13	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	13	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	13	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	14	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	14	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	14	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	16	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	16	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	16	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	17	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	17	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	17	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	35	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	35	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	35	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	36	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	36	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	36	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	47	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	47	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	47	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	48	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	48	0.43
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	48	0.43
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	6	0.43
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	9	0.43
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	14	0.43
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	20	0.43
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	28	0.43
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	32	0.43
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	47	0.43
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	50	0.43
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	5	0.43
(1,584)	1:13:A:CYS:HB2	1:13:A:CYS:H	3	0.43
(1,584)	1:13:A:CYS:HB2	1:13:A:CYS:H	7	0.43
(1,584)	1:13:A:CYS:HB2	1:13:A:CYS:H	18	0.43
(1,584)	1:13:A:CYS:HB2	1:13:A:CYS:H	37	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	3	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	6	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	9	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	11	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	12	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	13	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	14	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	16	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	18	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	20	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	21	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	22	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	23	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	24	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	25	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	26	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	27	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	28	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	30	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	31	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	35	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	36	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	38	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	39	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	40	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	43	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	45	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	48	0.43
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	50	0.43
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	33	0.43
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	33	0.43
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	33	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	23	0.43
(1,512)	1:30:A:LEU:HB3	1:30:A:LEU:HG	4	0.43
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	4	0.43
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	16	0.43
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	28	0.43
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	35	0.43
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	36	0.43
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	39	0.43
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	44	0.43
(1,439)	1:6:A:ALA:HB1	1:31:A:GLU:HB3	7	0.43
(1,439)	1:6:A:ALA:HB2	1:31:A:GLU:HB3	37	0.43
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	12	0.43
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	16	0.43
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	29	0.43
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	49	0.43
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	14	0.43
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	23	0.43
(1,291)	1:13:A:CYS:H	1:13:A:CYS:HB3	3	0.43
(1,291)	1:13:A:CYS:H	1:13:A:CYS:HB3	18	0.43
(1,291)	1:13:A:CYS:H	1:13:A:CYS:HB3	23	0.43
(1,291)	1:13:A:CYS:H	1:13:A:CYS:HB3	31	0.43
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	12	0.43
(1,190)	1:18:A:VAL:HG22	1:22:A:GLN:HG3	11	0.43
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	23	0.43
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG21	12	0.43
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	41	0.43
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	50	0.43
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	4	0.43
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	24	0.43
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	1	0.43
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	21	0.43
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	31	0.43
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	34	0.43
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	35	0.43
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	36	0.43
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	39	0.43
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	43	0.43
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	20	0.43
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	6	0.42
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	40	0.42
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	2	0.42
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	8	0.42
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	9	0.42
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	11	0.42
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	19	0.42
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	20	0.42
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	23	0.42
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	28	0.42
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	29	0.42
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	33	0.42
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	42	0.42
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	45	0.42
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	48	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	4	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	4	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	4	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	11	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	11	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	11	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	31	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	31	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	31	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	36	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	36	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	36	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	42	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	42	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	42	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	48	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	48	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	48	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	50	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	50	0.42
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	50	0.42
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	46	0.42
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	49	0.42
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	25	0.42
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	25	0.42
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	25	0.42
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	43	0.42
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	43	0.42
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	43	0.42
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	46	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	46	0.42
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	46	0.42
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	6	0.42
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	14	0.42
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	17	0.42
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	23	0.42
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	31	0.42
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	42	0.42
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	50	0.42
(2,733)	1:23:A:CYS:HB2	1:24:A:TYR:H	39	0.42
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	16	0.42
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	16	0.42
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	23	0.42
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	23	0.42
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	26	0.42
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	26	0.42
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	37	0.42
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	37	0.42
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	21	0.42
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	21	0.42
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	21	0.42
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	34	0.42
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	34	0.42
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	34	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	2	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	2	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	2	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	22	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	22	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	22	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	31	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	31	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	31	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	38	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	38	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	38	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	44	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	44	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	44	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	50	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	50	0.42
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	50	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	5	0.42
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	29	0.42
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	37	0.42
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	42	0.42
(2,601)	1:13:A:CYS:HB2	1:13:A:CYS:H	13	0.42
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	1	0.42
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	5	0.42
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	8	0.42
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	17	0.42
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	29	0.42
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	37	0.42
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	44	0.42
(2,590)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	46	0.42
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	36	0.42
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	36	0.42
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	36	0.42
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	12	0.42
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	12	0.42
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	12	0.42
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	36	0.42
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	36	0.42
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	36	0.42
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	39	0.42
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	39	0.42
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	39	0.42
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	40	0.42
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	40	0.42
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	40	0.42
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	38	0.42
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	38	0.42
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	38	0.42
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	22	0.42
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	22	0.42
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	10	0.42
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	5	0.42
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	45	0.42
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	47	0.42
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	49	0.42
(2,522)	1:30:A:LEU:HB3	1:30:A:LEU:HG	49	0.42
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	2	0.42
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	3	0.42
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	18	0.42
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	21	0.42
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	24	0.42
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	30	0.42
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	32	0.42
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	34	0.42
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	46	0.42
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	47	0.42
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	16	0.42
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	16	0.42
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	22	0.42
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	22	0.42
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	10	0.42
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	6	0.42
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	5	0.42
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	45	0.42
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	47	0.42
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	49	0.42
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	21	0.42
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	21	0.42
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	21	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	2	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	2	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	2	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	22	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	22	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	22	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	31	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	31	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	31	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	38	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	38	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	38	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	44	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	44	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	44	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	50	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	50	0.42
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	50	0.42
(2,420)	1:30:A:LEU:HB3	1:30:A:LEU:HG	49	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	4	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	4	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	11	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	11	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	11	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	31	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	31	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	31	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	36	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	36	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	36	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	42	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	42	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	42	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	48	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	48	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	48	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	50	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	50	0.42
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	50	0.42
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	14	0.42
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	17	0.42
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	23	0.42
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	31	0.42
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	42	0.42
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	50	0.42
(2,323)	1:23:A:CYS:HB2	1:24:A:TYR:H	39	0.42
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	40	0.42
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	46	0.42
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	49	0.42
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	2	0.42
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	6	0.42
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	8	0.42
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	9	0.42
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	11	0.42
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	19	0.42
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	20	0.42
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	23	0.42
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	28	0.42
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	29	0.42
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	33	0.42
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	42	0.42
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	45	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	48	0.42
(2,186)	1:13:A:CYS:HB2	1:13:A:CYS:H	13	0.42
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	6	0.42
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	5	0.42
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	29	0.42
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	37	0.42
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	42	0.42
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	2	0.42
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	3	0.42
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	5	0.42
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	18	0.42
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	21	0.42
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	24	0.42
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	30	0.42
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	32	0.42
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	34	0.42
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	46	0.42
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	47	0.42
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	25	0.42
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	25	0.42
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	25	0.42
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	43	0.42
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	43	0.42
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	43	0.42
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	46	0.42
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	46	0.42
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	46	0.42
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	38	0.42
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	38	0.42
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	38	0.42
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	23	0.42
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	23	0.42
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	26	0.42
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	26	0.42
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	37	0.42
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	37	0.42
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	1	0.42
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	5	0.42
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	8	0.42
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	17	0.42
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	29	0.42
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	37	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	44	0.42
(2,19)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	46	0.42
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	12	0.42
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	21	0.42
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	24	0.42
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	40	0.42
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	8	0.42
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	45	0.42
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	46	0.42
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	32	0.42
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	21	0.42
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	29	0.42
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	49	0.42
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG3	14	0.42
(1,922)	1:4:A:GLN:HA	1:4:A:GLN:HG3	6	0.42
(1,922)	1:4:A:GLN:HA	1:4:A:GLN:HG3	14	0.42
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	6	0.42
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	40	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	2	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	6	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	8	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	9	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	11	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	19	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	20	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	23	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	28	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	29	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	33	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	42	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	45	0.42
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	48	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	4	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	4	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	4	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	11	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	11	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	11	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	31	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	31	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	31	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	36	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	36	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	36	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	42	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	42	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	42	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	48	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	48	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	48	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	50	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	50	0.42
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	50	0.42
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	33	0.42
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	46	0.42
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	49	0.42
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	25	0.42
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	25	0.42
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	25	0.42
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	43	0.42
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	43	0.42
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	43	0.42
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	46	0.42
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	46	0.42
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	46	0.42
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	6	0.42
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	14	0.42
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	17	0.42
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	23	0.42
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	31	0.42
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	42	0.42
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	50	0.42
(1,709)	1:23:A:CYS:HB2	1:24:A:TYR:H	39	0.42
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	21	0.42
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	21	0.42
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	21	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	2	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	2	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	2	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	22	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	22	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	22	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	31	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	31	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	31	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	38	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	38	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	38	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	44	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	44	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	44	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	50	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	50	0.42
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	50	0.42
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	5	0.42
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	29	0.42
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	37	0.42
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	42	0.42
(1,584)	1:13:A:CYS:HB2	1:13:A:CYS:H	13	0.42
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	1	0.42
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	5	0.42
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	8	0.42
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	17	0.42
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	29	0.42
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	37	0.42
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	44	0.42
(1,573)	1:3:A:PRO:HD2	1:3:A:PRO:HG2	46	0.42
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	38	0.42
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	38	0.42
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	38	0.42
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	10	0.42
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	5	0.42
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	45	0.42
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	47	0.42
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	49	0.42
(1,512)	1:30:A:LEU:HB3	1:30:A:LEU:HG	49	0.42
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	2	0.42
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	3	0.42
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	5	0.42
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	18	0.42
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	21	0.42
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	24	0.42
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	30	0.42
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	32	0.42
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	34	0.42
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	46	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	47	0.42
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	1	0.42
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	3	0.42
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	21	0.42
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	23	0.42
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	32	0.42
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	1	0.42
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	27	0.42
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	6	0.42
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	15	0.42
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	19	0.42
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	20	0.42
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	22	0.42
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD2	31	0.42
(1,291)	1:13:A:CYS:H	1:13:A:CYS:HB3	24	0.42
(1,291)	1:13:A:CYS:H	1:13:A:CYS:HB3	28	0.42
(1,251)	1:33:A:SER:H	1:32:A:ARG:HA	46	0.42
(1,232)	1:26:A:MET:H	1:26:A:MET:HE2	6	0.42
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	20	0.42
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	35	0.42
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	7	0.42
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	9	0.42
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	18	0.42
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	28	0.42
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	48	0.42
(1,179)	1:18:A:VAL:HG23	1:14:A:ASN:HB3	4	0.42
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	49	0.42
(1,151)	1:8:A:TYR:HA	1:11:A:GLU:HB3	15	0.42
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	2	0.42
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	19	0.42
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	22	0.42
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	26	0.42
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	33	0.42
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	49	0.42
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	16	0.42
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	26	0.42
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	35	0.42
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	37	0.42
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	41	0.42
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	42	0.42
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	48	0.42
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	17	0.41
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	40	0.41
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	2	0.41
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	26	0.41
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	34	0.41
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	23	0.41
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	39	0.41
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	1	0.41
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	15	0.41
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	27	0.41
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	46	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	3	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	3	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	3	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	5	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	5	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	5	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	14	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	14	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	14	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	17	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	17	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	17	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	19	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	19	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	19	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	22	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	22	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	22	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	37	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	37	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	37	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	46	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	46	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	46	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	49	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	49	0.41
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	49	0.41
(2,855)	1:18:A:VAL:HA	1:18:A:VAL:HB	40	0.41
(2,853)	1:29:A:PRO:HD2	1:30:A:LEU:H	37	0.41
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	13	0.41
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	30	0.41
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	50	0.41
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	4	0.41
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	5	0.41
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	19	0.41
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	22	0.41
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	25	0.41
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	26	0.41
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	33	0.41
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	41	0.41
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	46	0.41
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	48	0.41
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	15	0.41
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	15	0.41
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	36	0.41
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	36	0.41
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	6	0.41
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	45	0.41
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	45	0.41
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	45	0.41
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	40	0.41
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	37	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	9	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	9	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	9	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	10	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	10	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	10	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	23	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	23	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	23	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	26	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	26	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	26	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	27	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	27	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	27	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	40	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	40	0.41
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	40	0.41
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	17	0.41
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	22	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	40	0.41
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	48	0.41
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	49	0.41
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	4	0.41
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	4	0.41
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	4	0.41
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	19	0.41
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	19	0.41
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	19	0.41
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	24	0.41
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	24	0.41
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	24	0.41
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	45	0.41
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	45	0.41
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	45	0.41
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	6	0.41
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	38	0.41
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	42	0.41
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	24	0.41
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	37	0.41
(2,522)	1:30:A:LEU:HB3	1:30:A:LEU:HG	5	0.41
(2,522)	1:30:A:LEU:HB3	1:30:A:LEU:HG	39	0.41
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	21	0.41
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	12	0.41
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	12	0.41
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	37	0.41
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	37	0.41
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	11	0.41
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	14	0.41
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	15	0.41
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	29	0.41
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	45	0.41
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	48	0.41
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	15	0.41
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	15	0.41
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	36	0.41
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	36	0.41
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	38	0.41
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	42	0.41
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	50	0.41
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	24	0.41
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	37	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	9	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	9	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	9	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	10	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	10	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	10	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	23	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	23	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	23	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	26	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	26	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	26	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	27	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	27	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	27	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	40	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	40	0.41
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	40	0.41
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	49	0.41
(2,420)	1:30:A:LEU:HB3	1:30:A:LEU:HG	5	0.41
(2,420)	1:30:A:LEU:HB3	1:30:A:LEU:HG	39	0.41
(2,416)	1:29:A:PRO:HD2	1:30:A:LEU:H	37	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	3	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	3	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	3	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	5	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	5	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	5	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	14	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	14	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	14	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	17	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	17	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	17	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	19	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	19	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	19	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	22	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	22	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	22	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	37	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	37	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	37	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	46	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	46	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	46	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	49	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	49	0.41
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	49	0.41
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	4	0.41
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	5	0.41
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	19	0.41
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	22	0.41
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	25	0.41
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	26	0.41
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	33	0.41
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	41	0.41
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	46	0.41
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	48	0.41
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	21	0.41
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	23	0.41
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	39	0.41
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	13	0.41
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	13	0.41
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	1	0.41
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	15	0.41
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	27	0.41
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	46	0.41
(2,244)	1:18:A:VAL:HA	1:18:A:VAL:HB	40	0.41
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	30	0.41
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	40	0.41
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	37	0.41
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	7	0.41
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	17	0.41
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	40	0.41
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	2	0.41
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	26	0.41
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	34	0.41
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	12	0.41
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	12	0.41
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	37	0.41
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	37	0.41
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	17	0.41
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	22	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	40	0.41
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	48	0.41
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	11	0.41
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	14	0.41
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	15	0.41
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	29	0.41
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	45	0.41
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	48	0.41
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	6	0.41
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	45	0.41
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	45	0.41
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	6	0.41
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	25	0.41
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	25	0.41
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	25	0.41
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	22	0.41
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	6	0.41
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	22	0.41
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	31	0.41
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	8	0.41
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	16	0.41
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	43	0.41
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	7	0.41
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	17	0.41
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	40	0.41
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	2	0.41
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	26	0.41
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	34	0.41
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	23	0.41
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	39	0.41
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	1	0.41
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	15	0.41
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	27	0.41
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	46	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	3	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	3	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	3	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	5	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	5	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	5	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	14	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	14	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	17	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	17	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	17	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	19	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	19	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	19	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	22	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	22	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	22	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	37	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	37	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	37	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	46	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	46	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	46	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	49	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	49	0.41
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	49	0.41
(1,829)	1:18:A:VAL:HA	1:18:A:VAL:HB	40	0.41
(1,827)	1:29:A:PRO:HD2	1:30:A:LEU:H	37	0.41
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	14	0.41
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	30	0.41
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	50	0.41
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	4	0.41
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	5	0.41
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	19	0.41
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	22	0.41
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	25	0.41
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	26	0.41
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	33	0.41
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	41	0.41
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	46	0.41
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	48	0.41
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	6	0.41
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	40	0.41
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	37	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	9	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	9	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	9	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	10	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	10	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	23	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	23	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	23	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	26	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	26	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	26	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	27	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	27	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	27	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	40	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	40	0.41
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	40	0.41
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	17	0.41
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	22	0.41
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	40	0.41
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	48	0.41
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	49	0.41
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	6	0.41
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	38	0.41
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	42	0.41
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	24	0.41
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	37	0.41
(1,512)	1:30:A:LEU:HB3	1:30:A:LEU:HG	5	0.41
(1,512)	1:30:A:LEU:HB3	1:30:A:LEU:HG	39	0.41
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	21	0.41
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	12	0.41
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	12	0.41
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	37	0.41
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	37	0.41
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	11	0.41
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	14	0.41
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	15	0.41
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	29	0.41
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	45	0.41
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	48	0.41
(1,439)	1:6:A:ALA:HB2	1:31:A:GLU:HB3	25	0.41
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	11	0.41
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	24	0.41
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	26	0.41
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	28	0.41
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	50	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	31	0.41
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	38	0.41
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	15	0.41
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	35	0.41
(1,232)	1:26:A:MET:H	1:26:A:MET:HE3	44	0.41
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	47	0.41
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	2	0.41
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	26	0.41
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	29	0.41
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	33	0.41
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	39	0.41
(1,194)	1:26:A:MET:HE3	1:18:A:VAL:HG11	12	0.41
(1,190)	1:18:A:VAL:HG22	1:22:A:GLN:HG3	46	0.41
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	35	0.41
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	47	0.41
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	26	0.41
(1,181)	1:18:A:VAL:HG11	1:16:A:ASN:HB3	44	0.41
(1,179)	1:18:A:VAL:HG23	1:14:A:ASN:HB3	14	0.41
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	20	0.41
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	45	0.41
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	5	0.41
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	24	0.41
(1,84)	1:24:A:TYR:HE1	1:28:A:SER:HB3	33	0.41
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	24	0.41
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	33	0.41
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	45	0.41
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	24	0.4
(2,927)	1:31:A:GLU:HB2	1:31:A:GLU:H	31	0.4
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	8	0.4
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	18	0.4
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	39	0.4
(2,894)	1:18:A:VAL:HA	1:18:A:VAL:H	3	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	2	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	2	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	2	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	6	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	6	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	6	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	7	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	7	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	7	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	9	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	9	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	15	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	15	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	15	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	16	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	16	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	16	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	21	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	21	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	21	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	26	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	26	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	26	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	30	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	30	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	30	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	33	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	33	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	33	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	39	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	39	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	39	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	45	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	45	0.4
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	45	0.4
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	28	0.4
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	28	0.4
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	19	0.4
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	42	0.4
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	48	0.4
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	16	0.4
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	27	0.4
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	37	0.4
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	38	0.4
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	45	0.4
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	47	0.4
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	5	0.4
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	36	0.4
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	36	0.4
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	39	0.4
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	20	0.4
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	20	0.4
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	43	0.4
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	43	0.4
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	43	0.4
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	26	0.4
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	33	0.4
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	34	0.4
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	39	0.4
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	43	0.4
(2,631)	1:30:A:LEU:HB3	1:30:A:LEU:H	4	0.4
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	15	0.4
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	15	0.4
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	15	0.4
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	27	0.4
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	27	0.4
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	27	0.4
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	45	0.4
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	45	0.4
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	45	0.4
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	46	0.4
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	46	0.4
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	46	0.4
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG11	5	0.4
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG12	5	0.4
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG13	5	0.4
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	26	0.4
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	26	0.4
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	26	0.4
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	12	0.4
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	6	0.4
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	7	0.4
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	7	0.4
(2,492)	1:10:A:TYR:HE1	1:27:A:CYS:HB3	10	0.4
(2,492)	1:10:A:TYR:HE2	1:27:A:CYS:HB3	10	0.4
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	1	0.4
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	10	0.4
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	13	0.4
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	25	0.4
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	27	0.4
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	33	0.4
(2,452)	1:31:A:GLU:HB2	1:31:A:GLU:H	31	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	12	0.4
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	20	0.4
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	20	0.4
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	20	0.4
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	43	0.4
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	43	0.4
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	43	0.4
(2,428)	1:30:A:LEU:HB3	1:30:A:LEU:H	4	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	2	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	2	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	2	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	6	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	6	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	6	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	7	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	7	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	7	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	9	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	9	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	9	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	15	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	15	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	15	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	16	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	16	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	16	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	21	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	21	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	21	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	26	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	26	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	26	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	30	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	30	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	30	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	33	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	33	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	33	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	39	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	39	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	39	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	45	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	45	0.4
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	45	0.4
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	16	0.4
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	27	0.4
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	37	0.4
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	38	0.4
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	45	0.4
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	47	0.4
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	6	0.4
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	28	0.4
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	28	0.4
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	19	0.4
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	42	0.4
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	48	0.4
(2,245)	1:18:A:VAL:HA	1:18:A:VAL:H	3	0.4
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	24	0.4
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	8	0.4
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	18	0.4
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	39	0.4
(2,147)	1:10:A:TYR:HE1	1:27:A:CYS:HB3	10	0.4
(2,147)	1:10:A:TYR:HE2	1:27:A:CYS:HB3	10	0.4
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	7	0.4
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	7	0.4
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	26	0.4
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	33	0.4
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	34	0.4
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	39	0.4
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	43	0.4
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	1	0.4
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	10	0.4
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	13	0.4
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	25	0.4
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	27	0.4
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	33	0.4
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	26	0.4
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	26	0.4
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	26	0.4
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	5	0.4
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	36	0.4
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	36	0.4
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	37	0.4
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	39	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	39	0.4
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	39	0.4
(1,1003)	1:17:A:LYS:HG2	1:17:A:LYS:HD2	47	0.4
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	11	0.4
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	33	0.4
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	7	0.4
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	23	0.4
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	49	0.4
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	35	0.4
(1,957)	1:31:A:GLU:HB2	1:30:A:LEU:HD22	42	0.4
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	32	0.4
(1,922)	1:4:A:GLN:HA	1:4:A:GLN:HG3	16	0.4
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	24	0.4
(1,901)	1:31:A:GLU:HB2	1:31:A:GLU:H	31	0.4
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	8	0.4
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	18	0.4
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	39	0.4
(1,868)	1:18:A:VAL:HA	1:18:A:VAL:H	3	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	2	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	2	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	2	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	6	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	6	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	6	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	7	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	7	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	7	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	9	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	9	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	9	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	15	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	15	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	15	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	16	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	16	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	16	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	21	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	21	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	21	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	26	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	26	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	26	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	30	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	30	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	30	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	33	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	33	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	33	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	39	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	39	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	39	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	45	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	45	0.4
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	45	0.4
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	19	0.4
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	42	0.4
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	48	0.4
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	16	0.4
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	27	0.4
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	37	0.4
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	38	0.4
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	45	0.4
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	47	0.4
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	5	0.4
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	20	0.4
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	20	0.4
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	20	0.4
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	43	0.4
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	43	0.4
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	43	0.4
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	26	0.4
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	33	0.4
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	34	0.4
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	39	0.4
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	43	0.4
(1,612)	1:30:A:LEU:HB3	1:30:A:LEU:H	4	0.4
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	26	0.4
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	26	0.4
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	26	0.4
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	12	0.4
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	6	0.4
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	7	0.4
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	7	0.4
(1,482)	1:10:A:TYR:HE1	1:27:A:CYS:HB3	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:10:A:TYR:HE2	1:27:A:CYS:HB3	10	0.4
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	1	0.4
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	10	0.4
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	13	0.4
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	25	0.4
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	27	0.4
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	33	0.4
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	9	0.4
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	18	0.4
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	29	0.4
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	49	0.4
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	10	0.4
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	43	0.4
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	22	0.4
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	4	0.4
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	16	0.4
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	17	0.4
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	8	0.4
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	22	0.4
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	41	0.4
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	46	0.4
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG11	48	0.4
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG23	21	0.4
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG22	30	0.4
(1,183)	1:18:A:VAL:HG23	1:23:A:CYS:HB2	38	0.4
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	8	0.4
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	15	0.4
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	12	0.4
(1,81)	1:24:A:TYR:HD1	1:28:A:SER:HB2	6	0.4
(2,926)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	37	0.39
(2,925)	1:20:A:PHE:HB3	1:21:A:ASP:H	28	0.39
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	17	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	8	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	8	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	8	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	10	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	10	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	10	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	29	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	29	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	29	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	34	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	34	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	34	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	43	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	43	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	43	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	44	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	44	0.39
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	44	0.39
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	9	0.39
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	14	0.39
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	21	0.39
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	26	0.39
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	29	0.39
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	35	0.39
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	7	0.39
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	29	0.39
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	50	0.39
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	50	0.39
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	9	0.39
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	13	0.39
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	34	0.39
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	17	0.39
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	17	0.39
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	39	0.39
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	39	0.39
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	26	0.39
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	13	0.39
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	25	0.39
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	25	0.39
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	25	0.39
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	39	0.39
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	39	0.39
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	39	0.39
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	3	0.39
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	3	0.39
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	3	0.39
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	6	0.39
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	26	0.39
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	35	0.39
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	36	0.39
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	36	0.39
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	36	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	42	0.39
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	42	0.39
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	42	0.39
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	7	0.39
(2,668)	1:15:A:VAL:HG21	1:12:A:GLN:HE22	18	0.39
(2,668)	1:15:A:VAL:HG22	1:12:A:GLN:HE22	18	0.39
(2,668)	1:15:A:VAL:HG23	1:12:A:GLN:HE22	18	0.39
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	38	0.39
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	48	0.39
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	33	0.39
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	33	0.39
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	33	0.39
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	45	0.39
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	45	0.39
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	45	0.39
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	16	0.39
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	35	0.39
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	36	0.39
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	38	0.39
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	8	0.39
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	8	0.39
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	8	0.39
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	35	0.39
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	35	0.39
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	35	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	14	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	14	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	14	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	20	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	20	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	20	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	35	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	35	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	35	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	37	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	37	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	37	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	49	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	49	0.39
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	49	0.39
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	2	0.39
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	2	0.39
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	9	0.39
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	9	0.39
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	9	0.39
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	43	0.39
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	43	0.39
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	43	0.39
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	40	0.39
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	40	0.39
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	19	0.39
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	12	0.39
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	32	0.39
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	6	0.39
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	9	0.39
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	17	0.39
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	19	0.39
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	41	0.39
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	43	0.39
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	50	0.39
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	50	0.39
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	35	0.39
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	40	0.39
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	40	0.39
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	19	0.39
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	17	0.39
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	25	0.39
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	25	0.39
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	25	0.39
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	39	0.39
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	39	0.39
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	39	0.39
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	33	0.39
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	33	0.39
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	33	0.39
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	45	0.39
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	45	0.39
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	45	0.39
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	26	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	8	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	8	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	8	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	10	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	10	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	29	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	29	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	29	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	34	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	34	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	34	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	43	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	43	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	43	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	44	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	44	0.39
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	44	0.39
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	7	0.39
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	29	0.39
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	12	0.39
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	32	0.39
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	3	0.39
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	3	0.39
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	3	0.39
(2,285)	1:20:A:PHE:HB3	1:21:A:ASP:H	28	0.39
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	9	0.39
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	14	0.39
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	21	0.39
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	26	0.39
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	29	0.39
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	7	0.39
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	38	0.39
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	48	0.39
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	13	0.39
(2,156)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	37	0.39
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	16	0.39
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	35	0.39
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	36	0.39
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	38	0.39
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	6	0.39
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	9	0.39
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	17	0.39
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	19	0.39
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	41	0.39
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	43	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	2	0.39
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	2	0.39
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	2	0.39
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	9	0.39
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	9	0.39
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	9	0.39
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	43	0.39
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	43	0.39
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	43	0.39
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	9	0.39
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	13	0.39
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	34	0.39
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	17	0.39
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	17	0.39
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	39	0.39
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	39	0.39
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	17	0.39
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	30	0.39
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	35	0.39
(1,945)	1:17:A:LYS:HA	1:17:A:LYS:HG3	37	0.39
(1,922)	1:4:A:GLN:HA	1:4:A:GLN:HG2	9	0.39
(1,900)	1:11:A:GLU:HB3	1:11:A:GLU:HG3	37	0.39
(1,899)	1:20:A:PHE:HB3	1:21:A:ASP:H	28	0.39
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	17	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	8	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	8	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	8	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	10	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	10	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	10	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	29	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	29	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	29	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	34	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	34	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	34	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	43	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	43	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	43	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	44	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	44	0.39
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	44	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	41	0.39
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	9	0.39
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	14	0.39
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	21	0.39
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	26	0.39
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	29	0.39
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	35	0.39
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	7	0.39
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	29	0.39
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	9	0.39
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	13	0.39
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	34	0.39
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	26	0.39
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	13	0.39
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	25	0.39
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	25	0.39
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	25	0.39
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	39	0.39
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	39	0.39
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	39	0.39
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	3	0.39
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	3	0.39
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	3	0.39
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	7	0.39
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	38	0.39
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	48	0.39
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	33	0.39
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	33	0.39
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	33	0.39
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	45	0.39
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	45	0.39
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	45	0.39
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	16	0.39
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	35	0.39
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	36	0.39
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	38	0.39
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	2	0.39
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	2	0.39
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	2	0.39
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	9	0.39
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	9	0.39
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	43	0.39
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	43	0.39
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	43	0.39
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	19	0.39
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	12	0.39
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	32	0.39
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	6	0.39
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	9	0.39
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	17	0.39
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	19	0.39
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	41	0.39
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	43	0.39
(1,453)	1:15:A:VAL:HG11	1:12:A:GLN:HE21	49	0.39
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	16	0.39
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	22	0.39
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	31	0.39
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	33	0.39
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	43	0.39
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	9	0.39
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	49	0.39
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	3	0.39
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	17	0.39
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	25	0.39
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	27	0.39
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	47	0.39
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	49	0.39
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG13	3	0.39
(1,190)	1:18:A:VAL:HG21	1:22:A:GLN:HG3	17	0.39
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	36	0.39
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	1	0.39
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	10	0.39
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	47	0.39
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB1	6	0.39
(1,97)	1:29:A:PRO:HA	1:29:A:PRO:HG2	37	0.39
(1,96)	1:28:A:SER:HA	1:28:A:SER:HB2	19	0.39
(1,96)	1:28:A:SER:HA	1:28:A:SER:HB2	20	0.39
(1,96)	1:28:A:SER:HA	1:28:A:SER:HB2	21	0.39
(1,96)	1:28:A:SER:HA	1:28:A:SER:HB2	26	0.39
(1,96)	1:28:A:SER:HA	1:28:A:SER:HB2	33	0.39
(1,96)	1:28:A:SER:HA	1:28:A:SER:HB2	39	0.39
(1,96)	1:28:A:SER:HA	1:28:A:SER:HB2	45	0.39
(1,67)	1:22:A:GLN:HG2	1:22:A:GLN:HA	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	47	0.39
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	19	0.38
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	42	0.38
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	40	0.38
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	12	0.38
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	12	0.38
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	12	0.38
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	27	0.38
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	27	0.38
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	27	0.38
(2,850)	1:2:A:SER:HB2	1:2:A:SER:H	20	0.38
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	4	0.38
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	22	0.38
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	28	0.38
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	7	0.38
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	40	0.38
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	9	0.38
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	21	0.38
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	34	0.38
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	1	0.38
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	9	0.38
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	39	0.38
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	11	0.38
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	11	0.38
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	13	0.38
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	13	0.38
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	19	0.38
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	19	0.38
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	22	0.38
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	22	0.38
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	42	0.38
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	42	0.38
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	47	0.38
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	47	0.38
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	27	0.38
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	27	0.38
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	27	0.38
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	21	0.38
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	49	0.38
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	9	0.38
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	9	0.38
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	22	0.38
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	22	0.38
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	22	0.38
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	35	0.38
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	35	0.38
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	35	0.38
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	48	0.38
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	48	0.38
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	48	0.38
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	49	0.38
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	49	0.38
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	49	0.38
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	18	0.38
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	24	0.38
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	37	0.38
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	9	0.38
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	4	0.38
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	44	0.38
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	45	0.38
(2,631)	1:30:A:LEU:HB3	1:30:A:LEU:H	42	0.38
(2,631)	1:30:A:LEU:HB3	1:30:A:LEU:H	49	0.38
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	39	0.38
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	2	0.38
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	2	0.38
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	2	0.38
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	33	0.38
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	33	0.38
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	33	0.38
(2,570)	1:13:A:CYS:HB2	1:10:A:TYR:HA	37	0.38
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	13	0.38
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	13	0.38
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	13	0.38
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	21	0.38
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	21	0.38
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	21	0.38
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	44	0.38
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	44	0.38
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	44	0.38
(2,510)	1:27:A:CYS:HB2	1:27:A:CYS:HA	31	0.38
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	7	0.38
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	25	0.38
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	47	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	47	0.38
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	12	0.38
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	23	0.38
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	40	0.38
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	11	0.38
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	11	0.38
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	7	0.38
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	9	0.38
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	21	0.38
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	34	0.38
(2,428)	1:30:A:LEU:HB3	1:30:A:LEU:H	42	0.38
(2,428)	1:30:A:LEU:HB3	1:30:A:LEU:H	49	0.38
(2,379)	1:27:A:CYS:HB2	1:27:A:CYS:HA	31	0.38
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	12	0.38
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	12	0.38
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	12	0.38
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	27	0.38
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	27	0.38
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	27	0.38
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	1	0.38
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	9	0.38
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	39	0.38
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	40	0.38
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	7	0.38
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	25	0.38
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	27	0.38
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	27	0.38
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	27	0.38
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	40	0.38
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	39	0.38
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	4	0.38
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	22	0.38
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	18	0.38
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	24	0.38
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	37	0.38
(2,181)	1:13:A:CYS:HB2	1:10:A:TYR:HA	37	0.38
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	9	0.38
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	19	0.38
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	42	0.38
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	47	0.38
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	47	0.38
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	44	0.38
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	45	0.38
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	12	0.38
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	23	0.38
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	40	0.38
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	13	0.38
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	13	0.38
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	13	0.38
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	21	0.38
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	21	0.38
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	21	0.38
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	44	0.38
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	44	0.38
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	44	0.38
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	13	0.38
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	13	0.38
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	19	0.38
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	19	0.38
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	22	0.38
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	22	0.38
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	42	0.38
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	42	0.38
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	47	0.38
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	47	0.38
(2,5)	1:2:A:SER:HB2	1:2:A:SER:H	20	0.38
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	28	0.38
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	38	0.38
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	48	0.38
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	46	0.38
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	46	0.38
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	46	0.38
(1,1023)	1:7:A:LYS:HG3	1:7:A:LYS:HD3	38	0.38
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	6	0.38
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	21	0.38
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	35	0.38
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	37	0.38
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	44	0.38
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	22	0.38
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	19	0.38
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	42	0.38
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	40	0.38
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	12	0.38
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	12	0.38
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	27	0.38
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	27	0.38
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	27	0.38
(1,824)	1:2:A:SER:HB2	1:2:A:SER:H	20	0.38
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	44	0.38
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	4	0.38
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	22	0.38
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	28	0.38
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	7	0.38
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	40	0.38
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	9	0.38
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	21	0.38
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	34	0.38
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	1	0.38
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	9	0.38
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	39	0.38
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	27	0.38
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	27	0.38
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	27	0.38
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	18	0.38
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	24	0.38
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	37	0.38
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	9	0.38
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	4	0.38
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	44	0.38
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	45	0.38
(1,612)	1:30:A:LEU:HB3	1:30:A:LEU:H	42	0.38
(1,612)	1:30:A:LEU:HB3	1:30:A:LEU:H	49	0.38
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	39	0.38
(1,559)	1:13:A:CYS:HB2	1:10:A:TYR:HA	37	0.38
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	13	0.38
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	13	0.38
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	13	0.38
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	21	0.38
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	21	0.38
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	21	0.38
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	44	0.38
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	44	0.38
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	44	0.38
(1,500)	1:27:A:CYS:HB2	1:27:A:CYS:HA	31	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	7	0.38
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	25	0.38
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	47	0.38
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	47	0.38
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	12	0.38
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	23	0.38
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	40	0.38
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	30	0.38
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	38	0.38
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	46	0.38
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	50	0.38
(1,366)	1:20:A:PHE:H	1:20:A:PHE:HD1	40	0.38
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	35	0.38
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	29	0.38
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	25	0.38
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	8	0.38
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	18	0.38
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	4	0.38
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	11	0.38
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	30	0.38
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	43	0.38
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	44	0.38
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG11	15	0.38
(1,190)	1:18:A:VAL:HG22	1:22:A:GLN:HG3	38	0.38
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	34	0.38
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	9	0.38
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	33	0.38
(1,170)	1:31:A:GLU:HA	1:6:A:ALA:HB3	41	0.38
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	38	0.38
(1,111)	1:30:A:LEU:HD23	1:30:A:LEU:HA	30	0.38
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	47	0.38
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	1	0.37
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	11	0.37
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	48	0.37
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	20	0.37
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	20	0.37
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	20	0.37
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	35	0.37
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	35	0.37
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	35	0.37
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE1	47	0.37
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE2	47	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,884)	1:26:A:MET:HA	1:26:A:MET:HE3	47	0.37
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	14	0.37
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	14	0.37
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	14	0.37
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	18	0.37
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	16	0.37
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	28	0.37
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	28	0.37
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	28	0.37
(2,814)	1:32:A:ARG:HB3	1:32:A:ARG:H	34	0.37
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	24	0.37
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	1	0.37
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	5	0.37
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	3	0.37
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	6	0.37
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	21	0.37
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	34	0.37
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	34	0.37
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	34	0.37
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	10	0.37
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	24	0.37
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	7	0.37
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	7	0.37
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	12	0.37
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	12	0.37
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	14	0.37
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	14	0.37
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	15	0.37
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	15	0.37
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	21	0.37
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	21	0.37
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	48	0.37
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	48	0.37
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	22	0.37
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	33	0.37
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	46	0.37
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	46	0.37
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	46	0.37
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	29	0.37
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	29	0.37
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	29	0.37
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	50	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	50	0.37
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	50	0.37
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	38	0.37
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	15	0.37
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	15	0.37
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	15	0.37
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	16	0.37
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	16	0.37
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	16	0.37
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	29	0.37
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	29	0.37
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	29	0.37
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	41	0.37
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	41	0.37
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	41	0.37
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	1	0.37
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	27	0.37
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	18	0.37
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	18	0.37
(2,637)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	18	0.37
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	2	0.37
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	19	0.37
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	41	0.37
(2,587)	1:10:A:TYR:HE1	1:24:A:TYR:HA	10	0.37
(2,587)	1:10:A:TYR:HE2	1:24:A:TYR:HA	10	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	14	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	14	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	14	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	17	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	17	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	17	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	22	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	22	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	22	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	43	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	43	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	43	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	50	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	50	0.37
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	50	0.37
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	1	0.37
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	1	0.37
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	11	0.37
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	11	0.37
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	11	0.37
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	27	0.37
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	27	0.37
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	27	0.37
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	32	0.37
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	6	0.37
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	6	0.37
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	26	0.37
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	40	0.37
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	44	0.37
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	29	0.37
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	44	0.37
(2,477)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	37	0.37
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	34	0.37
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	34	0.37
(2,462)	1:32:A:ARG:HB3	1:32:A:ARG:H	34	0.37
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	6	0.37
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	6	0.37
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	26	0.37
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	40	0.37
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	44	0.37
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	1	0.37
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	29	0.37
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	46	0.37
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	46	0.37
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	46	0.37
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	5	0.37
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	18	0.37
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	18	0.37
(2,430)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	18	0.37
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	20	0.37
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	20	0.37
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	20	0.37
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	35	0.37
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	35	0.37
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	35	0.37
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE1	47	0.37
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE2	47	0.37
(2,372)	1:26:A:MET:HA	1:26:A:MET:HE3	47	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	3	0.37
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	6	0.37
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	21	0.37
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	34	0.37
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	44	0.37
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	29	0.37
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	29	0.37
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	29	0.37
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	50	0.37
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	50	0.37
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	50	0.37
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	18	0.37
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	24	0.37
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	27	0.37
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	16	0.37
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	1	0.37
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	22	0.37
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	33	0.37
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	1	0.37
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	11	0.37
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	48	0.37
(2,144)	1:10:A:TYR:HE1	1:24:A:TYR:HA	10	0.37
(2,144)	1:10:A:TYR:HE2	1:24:A:TYR:HA	10	0.37
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	2	0.37
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	19	0.37
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	41	0.37
(2,77)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	37	0.37
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	28	0.37
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	28	0.37
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	28	0.37
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	10	0.37
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	24	0.37
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	7	0.37
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	7	0.37
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	12	0.37
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	12	0.37
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	14	0.37
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	14	0.37
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	15	0.37
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	15	0.37
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	21	0.37
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	21	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	48	0.37
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	48	0.37
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	14	0.37
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	14	0.37
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	14	0.37
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	32	0.37
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	9	0.37
(1,1023)	1:7:A:LYS:HG3	1:7:A:LYS:HD3	19	0.37
(1,1023)	1:7:A:LYS:HG3	1:7:A:LYS:HD3	26	0.37
(1,1023)	1:7:A:LYS:HG3	1:7:A:LYS:HD3	37	0.37
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	28	0.37
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	10	0.37
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG3	20	0.37
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	28	0.37
(1,943)	1:32:A:ARG:HA	1:32:A:ARG:HD3	8	0.37
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	1	0.37
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	11	0.37
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	48	0.37
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	20	0.37
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	20	0.37
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	20	0.37
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	35	0.37
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	35	0.37
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	35	0.37
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE1	47	0.37
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE2	47	0.37
(1,858)	1:26:A:MET:HA	1:26:A:MET:HE3	47	0.37
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	14	0.37
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	14	0.37
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	14	0.37
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	18	0.37
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	20	0.37
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	16	0.37
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	28	0.37
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	28	0.37
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	28	0.37
(1,789)	1:32:A:ARG:HB3	1:32:A:ARG:H	34	0.37
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	24	0.37
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	1	0.37
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	5	0.37
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	3	0.37
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	21	0.37
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	34	0.37
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	10	0.37
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	24	0.37
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	22	0.37
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	33	0.37
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	46	0.37
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	46	0.37
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	46	0.37
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	29	0.37
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	29	0.37
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	29	0.37
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	50	0.37
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	50	0.37
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	50	0.37
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	1	0.37
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	27	0.37
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	18	0.37
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	18	0.37
(1,618)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	18	0.37
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	2	0.37
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	19	0.37
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	41	0.37
(1,571)	1:10:A:TYR:HE1	1:24:A:TYR:HA	10	0.37
(1,571)	1:10:A:TYR:HE2	1:24:A:TYR:HA	10	0.37
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	32	0.37
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	26	0.37
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	40	0.37
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	44	0.37
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	29	0.37
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	44	0.37
(1,467)	1:7:A:LYS:HE2	1:7:A:LYS:HD2	37	0.37
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	6	0.37
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	44	0.37
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG23	28	0.37
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	25	0.37
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	10	0.37
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE1	31	0.37
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	19	0.37
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	39	0.37
(1,252)	1:2:A:SER:H	1:3:A:PRO:HG3	6	0.37
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	24	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	10	0.37
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	20	0.37
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	21	0.37
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	23	0.37
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	36	0.37
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	26	0.37
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	33	0.37
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG21	6	0.37
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG12	6	0.37
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG11	29	0.37
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	28	0.37
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	14	0.37
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	25	0.37
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	32	0.37
(1,96)	1:28:A:SER:HA	1:28:A:SER:HB2	5	0.37
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	5	0.36
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	12	0.36
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	20	0.36
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	40	0.36
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	40	0.36
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	40	0.36
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	7	0.36
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	50	0.36
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	14	0.36
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	49	0.36
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	10	0.36
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	10	0.36
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	10	0.36
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	10	0.36
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	8	0.36
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	11	0.36
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	30	0.36
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	37	0.36
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	41	0.36
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	46	0.36
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	3	0.36
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	3	0.36
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	21	0.36
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	7	0.36
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	19	0.36
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	17	0.36
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	17	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	17	0.36
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	35	0.36
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	35	0.36
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	35	0.36
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	8	0.36
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	16	0.36
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	11	0.36
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	11	0.36
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	11	0.36
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	12	0.36
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	12	0.36
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	12	0.36
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	17	0.36
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	17	0.36
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	17	0.36
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	24	0.36
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	24	0.36
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	24	0.36
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	27	0.36
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	27	0.36
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	27	0.36
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	30	0.36
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	30	0.36
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	30	0.36
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	32	0.36
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	32	0.36
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	32	0.36
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	38	0.36
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	38	0.36
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	38	0.36
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	44	0.36
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	44	0.36
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	44	0.36
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	46	0.36
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	46	0.36
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	46	0.36
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	20	0.36
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	15	0.36
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	25	0.36
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	11	0.36
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	16	0.36
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	40	0.36
(2,631)	1:30:A:LEU:HB3	1:30:A:LEU:H	5	0.36
(2,587)	1:10:A:TYR:HE1	1:24:A:TYR:HA	31	0.36
(2,587)	1:10:A:TYR:HE2	1:24:A:TYR:HA	31	0.36
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	1	0.36
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	1	0.36
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	1	0.36
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	11	0.36
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	11	0.36
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	11	0.36
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	42	0.36
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	42	0.36
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	42	0.36
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	15	0.36
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	15	0.36
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	15	0.36
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	46	0.36
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	46	0.36
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	46	0.36
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	49	0.36
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	50	0.36
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	10	0.36
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	10	0.36
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	11	0.36
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	11	0.36
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	6	0.36
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	8	0.36
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	36	0.36
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	10	0.36
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	19	0.36
(2,510)	1:27:A:CYS:HB2	1:27:A:CYS:HA	10	0.36
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	2	0.36
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	9	0.36
(2,473)	1:7:A:LYS:HA	1:7:A:LYS:HG3	16	0.36
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	12	0.36
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	20	0.36
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	10	0.36
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	10	0.36
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	11	0.36
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	11	0.36
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	6	0.36
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	36	0.36
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	8	0.36
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	11	0.36
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	10	0.36
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	19	0.36
(2,428)	1:30:A:LEU:HB3	1:30:A:LEU:H	5	0.36
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	21	0.36
(2,379)	1:27:A:CYS:HB2	1:27:A:CYS:HA	10	0.36
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	30	0.36
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	2	0.36
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	17	0.36
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	17	0.36
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	17	0.36
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	35	0.36
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	35	0.36
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	35	0.36
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	7	0.36
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	50	0.36
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	40	0.36
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	11	0.36
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	10	0.36
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	14	0.36
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	49	0.36
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	20	0.36
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	37	0.36
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	15	0.36
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	25	0.36
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	7	0.36
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	19	0.36
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	5	0.36
(2,144)	1:10:A:TYR:HE1	1:24:A:TYR:HA	31	0.36
(2,144)	1:10:A:TYR:HE2	1:24:A:TYR:HA	31	0.36
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	9	0.36
(2,73)	1:7:A:LYS:HA	1:7:A:LYS:HG3	16	0.36
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	10	0.36
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	10	0.36
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	10	0.36
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	41	0.36
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	46	0.36
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	16	0.36
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	16	0.36
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	3	0.36
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	40	0.36
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	40	0.36
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	40	0.36
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	49	0.36
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	50	0.36
(1,1023)	1:7:A:LYS:HG3	1:7:A:LYS:HD3	17	0.36
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	13	0.36
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	12	0.36
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	13	0.36
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	33	0.36
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	21	0.36
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	46	0.36
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	4	0.36
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	50	0.36
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	5	0.36
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	12	0.36
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	20	0.36
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	40	0.36
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	40	0.36
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	40	0.36
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	7	0.36
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	50	0.36
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	16	0.36
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	14	0.36
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	49	0.36
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	10	0.36
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	10	0.36
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	10	0.36
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	10	0.36
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	8	0.36
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	11	0.36
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	30	0.36
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	37	0.36
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	41	0.36
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	46	0.36
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	21	0.36
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	7	0.36
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	19	0.36
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	17	0.36
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	17	0.36
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	17	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	35	0.36
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	35	0.36
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	35	0.36
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	20	0.36
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	15	0.36
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	25	0.36
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	11	0.36
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	40	0.36
(1,612)	1:30:A:LEU:HB3	1:30:A:LEU:H	5	0.36
(1,571)	1:10:A:TYR:HE1	1:24:A:TYR:HA	31	0.36
(1,571)	1:10:A:TYR:HE2	1:24:A:TYR:HA	31	0.36
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	49	0.36
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	50	0.36
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	6	0.36
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	8	0.36
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	36	0.36
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	10	0.36
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	19	0.36
(1,500)	1:27:A:CYS:HB2	1:27:A:CYS:HA	10	0.36
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	2	0.36
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	9	0.36
(1,463)	1:7:A:LYS:HA	1:7:A:LYS:HG3	16	0.36
(1,439)	1:6:A:ALA:HB2	1:31:A:GLU:HB3	28	0.36
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	27	0.36
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	49	0.36
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	8	0.36
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	10	0.36
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	26	0.36
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	3	0.36
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	45	0.36
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	5	0.36
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	13	0.36
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	16	0.36
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	24	0.36
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	34	0.36
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	35	0.36
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG11	11	0.36
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG12	38	0.36
(1,190)	1:18:A:VAL:HG22	1:22:A:GLN:HG3	22	0.36
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	49	0.36
(1,179)	1:18:A:VAL:HG23	1:14:A:ASN:HB3	23	0.36
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:31:A:GLU:HA	1:6:A:ALA:HB1	35	0.36
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	4	0.36
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	7	0.36
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	16	0.36
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	39	0.36
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	45	0.36
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	37	0.36
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	33	0.36
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	14	0.35
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	42	0.35
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	5	0.35
(2,850)	1:2:A:SER:HB2	1:2:A:SER:H	30	0.35
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	6	0.35
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	16	0.35
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	46	0.35
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	12	0.35
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	18	0.35
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	11	0.35
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	38	0.35
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	24	0.35
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	28	0.35
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	28	0.35
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	28	0.35
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	19	0.35
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	20	0.35
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	33	0.35
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	13	0.35
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	13	0.35
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	13	0.35
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	14	0.35
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	14	0.35
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	14	0.35
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	18	0.35
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	18	0.35
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	18	0.35
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	17	0.35
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	7	0.35
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	42	0.35
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	42	0.35
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	8	0.35
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	10	0.35
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	21	0.35
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	32	0.35
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	32	0.35
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	32	0.35
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	34	0.35
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	34	0.35
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	34	0.35
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	34	0.35
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	34	0.35
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	34	0.35
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG11	24	0.35
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG12	24	0.35
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG13	24	0.35
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG11	40	0.35
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG12	40	0.35
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG13	40	0.35
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	4	0.35
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	12	0.35
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	20	0.35
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	23	0.35
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	34	0.35
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	38	0.35
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	1	0.35
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	1	0.35
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	31	0.35
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	31	0.35
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	9	0.35
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	22	0.35
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	48	0.35
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	1	0.35
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	1	0.35
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	31	0.35
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	31	0.35
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	9	0.35
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	42	0.35
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	22	0.35
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	48	0.35
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	24	0.35
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	12	0.35
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	28	0.35
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	28	0.35
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	28	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	5	0.35
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	7	0.35
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	16	0.35
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	6	0.35
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	18	0.35
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	17	0.35
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	14	0.35
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	8	0.35
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	10	0.35
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	13	0.35
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	21	0.35
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	11	0.35
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	38	0.35
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	42	0.35
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	42	0.35
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	4	0.35
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	12	0.35
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	20	0.35
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	23	0.35
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	34	0.35
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	38	0.35
(2,5)	1:2:A:SER:HB2	1:2:A:SER:H	30	0.35
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	46	0.35
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	15	0.35
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	41	0.35
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	36	0.35
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	14	0.35
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	42	0.35
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	5	0.35
(1,824)	1:2:A:SER:HB2	1:2:A:SER:H	30	0.35
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	43	0.35
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	50	0.35
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	6	0.35
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	16	0.35
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	46	0.35
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	12	0.35
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	18	0.35
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	11	0.35
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	38	0.35
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	24	0.35
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	28	0.35
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	28	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	28	0.35
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	17	0.35
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	7	0.35
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	8	0.35
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	10	0.35
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	13	0.35
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	21	0.35
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	4	0.35
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	12	0.35
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	20	0.35
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	23	0.35
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	34	0.35
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	38	0.35
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	9	0.35
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	22	0.35
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	48	0.35
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG12	30	0.35
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	10	0.35
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	47	0.35
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE1	11	0.35
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	26	0.35
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	34	0.35
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	22	0.35
(1,230)	1:25:A:GLN:H	1:25:A:GLN:HG3	23	0.35
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	32	0.35
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	6	0.35
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	12	0.35
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	32	0.35
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	37	0.35
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	40	0.35
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG21	24	0.35
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	30	0.35
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG11	21	0.35
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG11	47	0.35
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG21	43	0.35
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	2	0.35
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	6	0.35
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	11	0.35
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	26	0.35
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	30	0.35
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	34	0.35
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	50	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:8:A:TYR:HA	1:11:A:GLU:HB3	33	0.35
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	16	0.35
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	14	0.35
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	15	0.35
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	23	0.35
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	14	0.34
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	17	0.34
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	38	0.34
(2,912)	1:8:A:TYR:HA	1:11:A:GLU:HB3	13	0.34
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	10	0.34
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	19	0.34
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	22	0.34
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	48	0.34
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	3	0.34
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	18	0.34
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	22	0.34
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	23	0.34
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	28	0.34
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	37	0.34
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	40	0.34
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	12	0.34
(2,850)	1:2:A:SER:HB2	1:2:A:SER:H	4	0.34
(2,850)	1:2:A:SER:HB2	1:2:A:SER:H	9	0.34
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	8	0.34
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	12	0.34
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	17	0.34
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	47	0.34
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	47	0.34
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	47	0.34
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	12	0.34
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	32	0.34
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	34	0.34
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	35	0.34
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	41	0.34
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	45	0.34
(2,807)	1:26:A:MET:HB2	1:27:A:CYS:H	8	0.34
(2,768)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	49	0.34
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	38	0.34
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	43	0.34
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	46	0.34
(2,745)	1:26:A:MET:HG3	1:26:A:MET:HA	35	0.34
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	24	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	24	0.34
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	24	0.34
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	32	0.34
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	32	0.34
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	32	0.34
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	7	0.34
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	7	0.34
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	22	0.34
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	22	0.34
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	14	0.34
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	19	0.34
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	27	0.34
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	33	0.34
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	30	0.34
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	30	0.34
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	15	0.34
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	21	0.34
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	23	0.34
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	24	0.34
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	29	0.34
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	8	0.34
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	8	0.34
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	8	0.34
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	1	0.34
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	32	0.34
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	41	0.34
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	4	0.34
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	4	0.34
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	4	0.34
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	21	0.34
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	21	0.34
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	21	0.34
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	33	0.34
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	33	0.34
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	33	0.34
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	13	0.34
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	28	0.34
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	41	0.34
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	4	0.34
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	17	0.34
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	19	0.34
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	34	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	37	0.34
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	40	0.34
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	42	0.34
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	32	0.34
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	2	0.34
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	9	0.34
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	13	0.34
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	15	0.34
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	16	0.34
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	18	0.34
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	30	0.34
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	33	0.34
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	39	0.34
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	40	0.34
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	42	0.34
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	24	0.34
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	24	0.34
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	43	0.34
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	17	0.34
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	7	0.34
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	7	0.34
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	22	0.34
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	22	0.34
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	24	0.34
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	24	0.34
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	43	0.34
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	10	0.34
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	19	0.34
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	22	0.34
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	48	0.34
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	38	0.34
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	43	0.34
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	46	0.34
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	17	0.34
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	42	0.34
(2,377)	1:26:A:MET:HB2	1:27:A:CYS:H	8	0.34
(2,367)	1:26:A:MET:HG3	1:26:A:MET:HA	35	0.34
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	24	0.34
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	24	0.34
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	24	0.34
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	32	0.34
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	32	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	32	0.34
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	8	0.34
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	8	0.34
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	8	0.34
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	12	0.34
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	4	0.34
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	17	0.34
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	19	0.34
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	34	0.34
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	37	0.34
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	40	0.34
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	8	0.34
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	12	0.34
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	17	0.34
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	13	0.34
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	3	0.34
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	18	0.34
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	22	0.34
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	23	0.34
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	28	0.34
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	37	0.34
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	40	0.34
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	28	0.34
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	41	0.34
(2,164)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	49	0.34
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	15	0.34
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	21	0.34
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	23	0.34
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	24	0.34
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	29	0.34
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	14	0.34
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	17	0.34
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	38	0.34
(2,104)	1:8:A:TYR:HA	1:11:A:GLU:HB3	13	0.34
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	47	0.34
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	47	0.34
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	47	0.34
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	32	0.34
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	14	0.34
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	19	0.34
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	27	0.34
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	33	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	30	0.34
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	30	0.34
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	2	0.34
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	9	0.34
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	13	0.34
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	15	0.34
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	16	0.34
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	18	0.34
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	30	0.34
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	33	0.34
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	39	0.34
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	40	0.34
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	42	0.34
(2,5)	1:2:A:SER:HB2	1:2:A:SER:H	4	0.34
(2,5)	1:2:A:SER:HB2	1:2:A:SER:H	9	0.34
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	12	0.34
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	32	0.34
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	34	0.34
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	35	0.34
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	41	0.34
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	45	0.34
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	25	0.34
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	19	0.34
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	7	0.34
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	27	0.34
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	14	0.34
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	17	0.34
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	38	0.34
(1,886)	1:8:A:TYR:HA	1:11:A:GLU:HB3	13	0.34
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	10	0.34
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	19	0.34
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	22	0.34
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	48	0.34
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	3	0.34
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	18	0.34
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	22	0.34
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	23	0.34
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	28	0.34
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	37	0.34
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	40	0.34
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	12	0.34
(1,824)	1:2:A:SER:HB2	1:2:A:SER:H	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:2:A:SER:HB2	1:2:A:SER:H	9	0.34
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	39	0.34
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	8	0.34
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	12	0.34
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	17	0.34
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	47	0.34
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	47	0.34
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	47	0.34
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	12	0.34
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	32	0.34
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	34	0.34
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	35	0.34
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	41	0.34
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	45	0.34
(1,782)	1:26:A:MET:HB2	1:27:A:CYS:H	8	0.34
(1,743)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	49	0.34
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	38	0.34
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	43	0.34
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	46	0.34
(1,720)	1:26:A:MET:HG3	1:26:A:MET:HA	35	0.34
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	24	0.34
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	24	0.34
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	24	0.34
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	32	0.34
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	32	0.34
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	32	0.34
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	14	0.34
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	19	0.34
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	27	0.34
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	33	0.34
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	15	0.34
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	21	0.34
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	23	0.34
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	24	0.34
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	29	0.34
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	8	0.34
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	8	0.34
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	8	0.34
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	13	0.34
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	28	0.34
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	41	0.34
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	17	0.34
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	19	0.34
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	34	0.34
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	37	0.34
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	40	0.34
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	42	0.34
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	32	0.34
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	2	0.34
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	9	0.34
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	13	0.34
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	15	0.34
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	16	0.34
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	18	0.34
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	30	0.34
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	33	0.34
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	39	0.34
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	40	0.34
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	42	0.34
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	43	0.34
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	17	0.34
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	7	0.34
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	36	0.34
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	40	0.34
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE3	25	0.34
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	17	0.34
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	24	0.34
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	42	0.34
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	45	0.34
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	50	0.34
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG13	50	0.34
(1,189)	1:22:A:GLN:HA	1:25:A:GLN:HG2	23	0.34
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	2	0.34
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	3	0.34
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG23	10	0.34
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	19	0.34
(1,170)	1:31:A:GLU:HA	1:6:A:ALA:HB1	5	0.34
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB2	47	0.34
(1,150)	1:8:A:TYR:HA	1:11:A:GLU:HB2	14	0.34
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	28	0.34
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	35	0.34
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	41	0.34
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	49	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:24:A:TYR:HD2	1:28:A:SER:HB3	5	0.34
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	31	0.33
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	22	0.33
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	35	0.33
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	35	0.33
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	34	0.33
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	34	0.33
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	34	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	1	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	2	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	4	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	5	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	6	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	7	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	8	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	9	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	10	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	11	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	12	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	13	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	14	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	15	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	16	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	17	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	19	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	20	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	21	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	24	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	25	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	26	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	27	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	29	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	30	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	31	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	32	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	33	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	34	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	35	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	36	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	38	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	39	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	41	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	42	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	43	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	44	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	45	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	46	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	47	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	48	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	49	0.33
(2,871)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	50	0.33
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	3	0.33
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	6	0.33
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	9	0.33
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	11	0.33
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	20	0.33
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	28	0.33
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	30	0.33
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	37	0.33
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	37	0.33
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	10	0.33
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	43	0.33
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	17	0.33
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	35	0.33
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	31	0.33
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	49	0.33
(2,768)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	32	0.33
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	13	0.33
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	33	0.33
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	36	0.33
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	49	0.33
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	3	0.33
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	1	0.33
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	1	0.33
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	1	0.33
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	36	0.33
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	36	0.33
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	36	0.33
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	40	0.33
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	40	0.33
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	40	0.33
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	14	0.33
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	14	0.33
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	35	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	33	0.33
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	33	0.33
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	49	0.33
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	49	0.33
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	33	0.33
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	39	0.33
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	10	0.33
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	10	0.33
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	10	0.33
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	45	0.33
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	45	0.33
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	45	0.33
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	48	0.33
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	48	0.33
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	48	0.33
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	10	0.33
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	47	0.33
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	3	0.33
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	3	0.33
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	3	0.33
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	25	0.33
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	25	0.33
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	25	0.33
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	26	0.33
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	26	0.33
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	26	0.33
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	50	0.33
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	50	0.33
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	50	0.33
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	26	0.33
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	31	0.33
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	32	0.33
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	38	0.33
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	2	0.33
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	13	0.33
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	1	0.33
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	5	0.33
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	16	0.33
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	20	0.33
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	20	0.33
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	38	0.33
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	38	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,588)	1:13:A:CYS:HA	1:18:A:VAL:HG21	3	0.33
(2,588)	1:13:A:CYS:HA	1:18:A:VAL:HG22	3	0.33
(2,588)	1:13:A:CYS:HA	1:18:A:VAL:HG23	3	0.33
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	44	0.33
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	44	0.33
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	44	0.33
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	48	0.33
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	48	0.33
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	48	0.33
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	49	0.33
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	49	0.33
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	49	0.33
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	22	0.33
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	22	0.33
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	22	0.33
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	47	0.33
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	47	0.33
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	47	0.33
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	1	0.33
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	1	0.33
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	1	0.33
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	1	0.33
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	10	0.33
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	19	0.33
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	29	0.33
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	32	0.33
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	41	0.33
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	43	0.33
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	47	0.33
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	48	0.33
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	49	0.33
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	9	0.33
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	9	0.33
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	17	0.33
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	42	0.33
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	10	0.33
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	12	0.33
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	19	0.33
(2,510)	1:27:A:CYS:HB2	1:27:A:CYS:HA	43	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	1	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	2	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	5	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	7	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	8	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	9	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	10	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	11	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	12	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	13	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	14	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	15	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	16	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	17	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	18	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	19	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	20	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	22	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	23	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	25	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	28	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	29	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	30	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	32	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	33	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	34	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	35	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	36	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	37	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	38	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	39	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	40	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	41	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	42	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	43	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	44	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	45	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	46	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	47	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	48	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	49	0.33
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	50	0.33
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	14	0.33
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	35	0.33
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	9	0.33
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	9	0.33
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	17	0.33
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	13	0.33
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	33	0.33
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	36	0.33
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	42	0.33
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	10	0.33
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	12	0.33
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	19	0.33
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	49	0.33
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	33	0.33
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	39	0.33
(2,379)	1:27:A:CYS:HB2	1:27:A:CYS:HA	43	0.33
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	1	0.33
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	1	0.33
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	1	0.33
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	36	0.33
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	36	0.33
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	36	0.33
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	40	0.33
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	40	0.33
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	40	0.33
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	10	0.33
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	10	0.33
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	10	0.33
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	45	0.33
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	45	0.33
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	45	0.33
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	48	0.33
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	48	0.33
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	48	0.33
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	3	0.33
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	6	0.33
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	9	0.33
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	11	0.33
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	20	0.33
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	28	0.33
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	30	0.33
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	37	0.33
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	37	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	1	0.33
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	5	0.33
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	16	0.33
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	17	0.33
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	35	0.33
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	10	0.33
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	43	0.33
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	26	0.33
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	31	0.33
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	32	0.33
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	38	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	1	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	2	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	4	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	5	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	6	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	7	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	8	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	9	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	10	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	11	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	12	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	13	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	14	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	15	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	16	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	17	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	19	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	20	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	21	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	24	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	25	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	26	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	27	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	29	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	30	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	31	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	32	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	33	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	34	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	35	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	36	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	38	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	39	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	41	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	42	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	43	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	44	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	45	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	46	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	47	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	48	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	49	0.33
(2,189)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	50	0.33
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	3	0.33
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	2	0.33
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	13	0.33
(2,164)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	32	0.33
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	31	0.33
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	22	0.33
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	35	0.33
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	1	0.33
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	1	0.33
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	1	0.33
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	1	0.33
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	35	0.33
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	20	0.33
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	20	0.33
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	33	0.33
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	33	0.33
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	49	0.33
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	49	0.33
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	34	0.33
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	34	0.33
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	34	0.33
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	38	0.33
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	38	0.33
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	10	0.33
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	19	0.33
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	29	0.33
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	32	0.33
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	41	0.33
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	43	0.33
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	47	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	48	0.33
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	49	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	1	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	2	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	4	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	5	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	7	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	8	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	9	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	10	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	11	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	12	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	13	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	14	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	15	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	16	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	17	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	18	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	19	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	20	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	22	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	23	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	25	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	28	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	29	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	30	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	32	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	33	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	34	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	35	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	36	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	37	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	38	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	39	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	40	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	41	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	42	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	43	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	44	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	45	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	46	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	47	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	48	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	49	0.33
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	50	0.33
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	31	0.33
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	49	0.33
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	17	0.33
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	28	0.33
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB2	5	0.33
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	25	0.33
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	31	0.33
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	22	0.33
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	35	0.33
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	35	0.33
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	34	0.33
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	34	0.33
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	34	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	1	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	2	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	4	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	5	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	6	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	7	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	8	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	9	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	10	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	11	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	12	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	13	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	14	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	15	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	16	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	17	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	19	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	20	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	21	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	24	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	25	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	26	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	27	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	29	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	30	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	31	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	32	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	33	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	34	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	35	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	36	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	38	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	39	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	41	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	42	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	43	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	44	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	45	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	46	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	47	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	48	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	49	0.33
(1,845)	1:13:A:CYS:HB2	1:13:A:CYS:HB3	50	0.33
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	3	0.33
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	6	0.33
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	9	0.33
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	11	0.33
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	20	0.33
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	28	0.33
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	30	0.33
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	10	0.33
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	43	0.33
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	17	0.33
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	35	0.33
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	31	0.33
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	49	0.33
(1,743)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	32	0.33
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	13	0.33
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	33	0.33
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	36	0.33
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	49	0.33
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	3	0.33
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	1	0.33
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	1	0.33
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	1	0.33
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	36	0.33
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	36	0.33
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	36	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	40	0.33
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	40	0.33
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	40	0.33
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	35	0.33
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	33	0.33
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	39	0.33
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	10	0.33
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	10	0.33
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	10	0.33
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	45	0.33
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	45	0.33
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	45	0.33
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	48	0.33
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	48	0.33
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	48	0.33
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	26	0.33
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	31	0.33
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	32	0.33
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	38	0.33
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	2	0.33
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	13	0.33
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	1	0.33
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	5	0.33
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	16	0.33
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	1	0.33
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	1	0.33
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	1	0.33
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	1	0.33
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	10	0.33
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	19	0.33
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	29	0.33
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	32	0.33
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	41	0.33
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	43	0.33
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	47	0.33
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	48	0.33
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	49	0.33
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	17	0.33
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	42	0.33
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	10	0.33
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	12	0.33
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:27:A:CYS:HB2	1:27:A:CYS:HA	43	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	1	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	2	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	4	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	5	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	7	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	8	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	9	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	10	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	11	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	12	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	13	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	14	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	15	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	16	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	17	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	18	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	19	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	20	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	22	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	23	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	25	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	28	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	29	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	30	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	32	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	33	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	34	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	35	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	36	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	37	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	38	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	39	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	40	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	41	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	42	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	43	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	44	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	45	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	46	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	47	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	48	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	49	0.33
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	50	0.33
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	15	0.33
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG12	47	0.33
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	20	0.33
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	6	0.33
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	42	0.33
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	26	0.33
(1,230)	1:25:A:GLN:H	1:25:A:GLN:HG3	48	0.33
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	6	0.33
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	37	0.33
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	41	0.33
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	43	0.33
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	15	0.33
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG21	34	0.33
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG11	50	0.33
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	23	0.33
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	5	0.33
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	24	0.33
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	30	0.33
(1,81)	1:24:A:TYR:HD1	1:28:A:SER:HB2	38	0.33
(2,945)	1:8:A:TYR:HE1	1:12:A:GLN:HB2	18	0.32
(2,945)	1:8:A:TYR:HE2	1:12:A:GLN:HB2	18	0.32
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	31	0.32
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	36	0.32
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	46	0.32
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	29	0.32
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	18	0.32
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	5	0.32
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	49	0.32
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	30	0.32
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	30	0.32
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	8	0.32
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	31	0.32
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	44	0.32
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	45	0.32
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	12	0.32
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	22	0.32
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	49	0.32
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	19	0.32
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	36	0.32
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	36	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	38	0.32
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	41	0.32
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	50	0.32
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	35	0.32
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	35	0.32
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	35	0.32
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	5	0.32
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	48	0.32
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	50	0.32
(2,800)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	32	0.32
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	40	0.32
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	21	0.32
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	43	0.32
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	3	0.32
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	29	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	4	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	4	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	4	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	25	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	25	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	25	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	31	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	31	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	31	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	41	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	41	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	41	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	49	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	49	0.32
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	49	0.32
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	39	0.32
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	15	0.32
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	36	0.32
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	8	0.32
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	8	0.32
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	8	0.32
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	10	0.32
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	10	0.32
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	10	0.32
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	45	0.32
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	45	0.32
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	45	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	8	0.32
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	15	0.32
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	29	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	3	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	6	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	9	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	20	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	21	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	23	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	24	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	26	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	29	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	31	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	33	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	35	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	39	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	41	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	46	0.32
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	48	0.32
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	49	0.32
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	26	0.32
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	26	0.32
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	26	0.32
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	29	0.32
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	29	0.32
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	29	0.32
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	5	0.32
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	47	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	1	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	3	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	5	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	7	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	8	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	17	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	21	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	24	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	25	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	26	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	28	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	36	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	37	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	44	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	45	0.32
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	46	0.32
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	28	0.32
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	37	0.32
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	47	0.32
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	37	0.32
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	37	0.32
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	37	0.32
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	37	0.32
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	25	0.32
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	3	0.32
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	6	0.32
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	21	0.32
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	24	0.32
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	26	0.32
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	27	0.32
(2,499)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	31	0.32
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	40	0.32
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	28	0.32
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	37	0.32
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	47	0.32
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	29	0.32
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	3	0.32
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	37	0.32
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	37	0.32
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	37	0.32
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	37	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	4	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	4	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	4	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	25	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	25	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	25	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	31	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	31	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	31	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	41	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	41	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	41	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	49	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	49	0.32
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	49	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	25	0.32
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	8	0.32
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	31	0.32
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	44	0.32
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	45	0.32
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	12	0.32
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	22	0.32
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	49	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	3	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	6	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	9	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	20	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	21	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	23	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	24	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	26	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	29	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	31	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	33	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	35	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	39	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	41	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	46	0.32
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	48	0.32
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	36	0.32
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	38	0.32
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	41	0.32
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	50	0.32
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	19	0.32
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	36	0.32
(2,221)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	32	0.32
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	8	0.32
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	15	0.32
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	29	0.32
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	29	0.32
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	18	0.32
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	31	0.32
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	36	0.32
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	46	0.32
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	21	0.32
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	43	0.32
(2,106)	1:8:A:TYR:HE1	1:12:A:GLN:HB2	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,106)	1:8:A:TYR:HE2	1:12:A:GLN:HB2	18	0.32
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	49	0.32
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	35	0.32
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	35	0.32
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	35	0.32
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	39	0.32
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	30	0.32
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	30	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	1	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	3	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	5	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	7	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	8	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	17	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	21	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	24	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	25	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	26	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	28	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	36	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	37	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	44	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	45	0.32
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	46	0.32
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	3	0.32
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	6	0.32
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	21	0.32
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	24	0.32
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	26	0.32
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	27	0.32
(2,12)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	31	0.32
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	5	0.32
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	47	0.32
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	5	0.32
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	49	0.32
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	5	0.32
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	48	0.32
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	50	0.32
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	2	0.32
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	41	0.32
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	28	0.32
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	28	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	28	0.32
(1,1015)	1:17:A:LYS:HG2	1:17:A:LYS:HD2	47	0.32
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	18	0.32
(1,963)	1:32:A:ARG:H	1:32:A:ARG:HG3	20	0.32
(1,943)	1:32:A:ARG:HA	1:32:A:ARG:HD3	30	0.32
(1,919)	1:8:A:TYR:HE1	1:12:A:GLN:HB2	18	0.32
(1,919)	1:8:A:TYR:HE2	1:12:A:GLN:HB2	18	0.32
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	31	0.32
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	36	0.32
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	46	0.32
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	29	0.32
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	18	0.32
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	5	0.32
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	49	0.32
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	8	0.32
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	31	0.32
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	44	0.32
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	45	0.32
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	12	0.32
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	22	0.32
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	49	0.32
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	35	0.32
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	19	0.32
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	36	0.32
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	36	0.32
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	38	0.32
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	41	0.32
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	50	0.32
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	35	0.32
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	35	0.32
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	35	0.32
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	5	0.32
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	48	0.32
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	50	0.32
(1,775)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	32	0.32
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	40	0.32
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	21	0.32
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	43	0.32
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	3	0.32
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	29	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	4	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	4	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	25	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	25	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	25	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	31	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	31	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	31	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	41	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	41	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	41	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	49	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	49	0.32
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	49	0.32
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	39	0.32
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	8	0.32
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	15	0.32
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	29	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	3	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	6	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	9	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	20	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	21	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	23	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	24	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	26	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	29	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	31	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	33	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	35	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	39	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	41	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	46	0.32
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	48	0.32
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	49	0.32
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	5	0.32
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	47	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	1	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	3	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	5	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	7	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	8	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	21	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	24	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	25	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	26	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	28	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	36	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	37	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	44	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	45	0.32
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	46	0.32
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	28	0.32
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	37	0.32
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	47	0.32
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	37	0.32
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	37	0.32
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	37	0.32
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	37	0.32
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	25	0.32
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	3	0.32
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	6	0.32
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	21	0.32
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	24	0.32
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	26	0.32
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	27	0.32
(1,489)	1:3:A:PRO:HB2	1:3:A:PRO:HB3	31	0.32
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	35	0.32
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	34	0.32
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	27	0.32
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	35	0.32
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	47	0.32
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	22	0.32
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	42	0.32
(1,230)	1:25:A:GLN:H	1:25:A:GLN:HG3	31	0.32
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	27	0.32
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	31	0.32
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	36	0.32
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	42	0.32
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	49	0.32
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	1	0.32
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	14	0.32
(1,203)	1:21:A:ASP:H	1:20:A:PHE:HB2	31	0.32
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	9	0.32
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG23	19	0.32
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	9	0.32
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG12	12	0.32
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG12	33	0.32
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG12	34	0.32
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG22	44	0.32
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	21	0.32
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG13	12	0.32
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG12	30	0.32
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG13	34	0.32
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG12	47	0.32
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	46	0.32
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	37	0.32
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	47	0.32
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	39	0.32
(1,77)	1:24:A:TYR:HD2	1:25:A:GLN:HA	6	0.32
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	23	0.31
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	28	0.31
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	4	0.31
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	12	0.31
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	2	0.31
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	2	0.31
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	3	0.31
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	3	0.31
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	4	0.31
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	4	0.31
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	7	0.31
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	7	0.31
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	8	0.31
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	8	0.31
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	21	0.31
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	21	0.31
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	26	0.31
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	26	0.31
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	29	0.31
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	29	0.31
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	37	0.31
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	37	0.31
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	43	0.31
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	43	0.31
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	50	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	50	0.31
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	21	0.31
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	46	0.31
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	12	0.31
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	37	0.31
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	32	0.31
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	40	0.31
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	19	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	2	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	3	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	4	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	6	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	8	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	9	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	10	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	11	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	13	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	14	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	16	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	17	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	18	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	19	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	20	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	21	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	26	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	29	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	30	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	32	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	33	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	34	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	35	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	36	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	38	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	39	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	41	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	42	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	43	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	44	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	46	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	47	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	48	0.31
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	50	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	50	0.31
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	12	0.31
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	7	0.31
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	7	0.31
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	7	0.31
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	8	0.31
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	13	0.31
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	17	0.31
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	22	0.31
(2,800)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	44	0.31
(2,768)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	5	0.31
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	20	0.31
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	40	0.31
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	44	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	2	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	2	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	2	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	10	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	10	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	10	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	11	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	11	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	11	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	13	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	13	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	13	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	14	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	14	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	14	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	16	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	16	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	16	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	18	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	18	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	18	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	23	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	23	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	23	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	28	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	28	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	28	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	34	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	34	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	34	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	37	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	37	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	37	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	38	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	38	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	38	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	46	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	46	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	46	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	48	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	48	0.31
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	48	0.31
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	28	0.31
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	40	0.31
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	18	0.31
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	18	0.31
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	31	0.31
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	31	0.31
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	3	0.31
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	36	0.31
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	44	0.31
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	6	0.31
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	30	0.31
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	37	0.31
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	39	0.31
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	45	0.31
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	28	0.31
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	28	0.31
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	28	0.31
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	7	0.31
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	7	0.31
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	7	0.31
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	23	0.31
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	23	0.31
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	23	0.31
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	30	0.31
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	30	0.31
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	30	0.31
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	49	0.31
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	49	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	49	0.31
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	42	0.31
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	19	0.31
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	19	0.31
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	19	0.31
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	33	0.31
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	3	0.31
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	10	0.31
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	36	0.31
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	39	0.31
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	2	0.31
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	13	0.31
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	14	0.31
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	15	0.31
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	22	0.31
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	36	0.31
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	42	0.31
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	45	0.31
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	47	0.31
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	49	0.31
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	7	0.31
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	7	0.31
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	48	0.31
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	48	0.31
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	39	0.31
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	44	0.31
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	39	0.31
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	39	0.31
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	39	0.31
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	8	0.31
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	8	0.31
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	8	0.31
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	9	0.31
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	9	0.31
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	9	0.31
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	33	0.31
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	33	0.31
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	33	0.31
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	38	0.31
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	38	0.31
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	38	0.31
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG11	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG12	13	0.31
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG13	13	0.31
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG11	28	0.31
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG12	28	0.31
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG13	28	0.31
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	40	0.31
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	40	0.31
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	40	0.31
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	22	0.31
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	27	0.31
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	31	0.31
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	43	0.31
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	11	0.31
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	14	0.31
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	22	0.31
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	27	0.31
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	31	0.31
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	35	0.31
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	50	0.31
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	2	0.31
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	4	0.31
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	7	0.31
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	10	0.31
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	15	0.31
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	20	0.31
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	21	0.31
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	30	0.31
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	34	0.31
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	36	0.31
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	38	0.31
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	39	0.31
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	47	0.31
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	23	0.31
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	37	0.31
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	22	0.31
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	18	0.31
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	42	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	1	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	2	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	5	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	7	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	13	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	16	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	17	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	19	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	20	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	21	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	22	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	23	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	24	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	26	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	29	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	30	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	31	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	32	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	33	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	34	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	35	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	36	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	39	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	43	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	45	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	46	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	48	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	49	0.31
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	50	0.31
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	21	0.31
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	46	0.31
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	22	0.31
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	12	0.31
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	37	0.31
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	20	0.31
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	40	0.31
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	44	0.31
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	18	0.31
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	42	0.31
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	28	0.31
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	28	0.31
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	28	0.31
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	39	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	1	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	2	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	7	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	11	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	13	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	16	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	17	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	19	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	20	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	21	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	22	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	23	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	24	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	26	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	29	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	30	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	31	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	32	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	33	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	34	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	35	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	36	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	39	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	43	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	45	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	46	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	48	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	49	0.31
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	50	0.31
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	3	0.31
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	36	0.31
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	44	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	2	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	2	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	2	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	10	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	10	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	10	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	11	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	11	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	11	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	13	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	13	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	14	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	14	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	14	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	16	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	16	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	16	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	18	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	18	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	18	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	23	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	23	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	23	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	28	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	28	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	28	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	34	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	34	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	34	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	37	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	37	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	37	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	38	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	38	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	38	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	46	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	46	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	46	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	48	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	48	0.31
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	48	0.31
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	7	0.31
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	7	0.31
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	7	0.31
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	23	0.31
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	23	0.31
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	23	0.31
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	30	0.31
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	30	0.31
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	30	0.31
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	49	0.31
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	49	0.31
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	49	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	19	0.31
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	2	0.31
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	2	0.31
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	3	0.31
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	3	0.31
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	4	0.31
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	4	0.31
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	7	0.31
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	7	0.31
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	8	0.31
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	8	0.31
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	21	0.31
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	21	0.31
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	26	0.31
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	26	0.31
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	29	0.31
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	29	0.31
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	37	0.31
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	37	0.31
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	43	0.31
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	43	0.31
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	50	0.31
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	50	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	2	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	3	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	4	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	6	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	8	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	9	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	10	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	11	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	13	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	14	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	16	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	17	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	18	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	19	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	20	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	21	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	26	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	29	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	30	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	32	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	33	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	34	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	35	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	36	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	38	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	39	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	41	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	42	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	43	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	44	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	46	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	47	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	48	0.31
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	50	0.31
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	2	0.31
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	13	0.31
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	14	0.31
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	15	0.31
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	22	0.31
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	36	0.31
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	42	0.31
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	45	0.31
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	47	0.31
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	49	0.31
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	12	0.31
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	50	0.31
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	23	0.31
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	37	0.31
(2,221)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	44	0.31
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	33	0.31
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	3	0.31
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	10	0.31
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	36	0.31
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	39	0.31
(2,164)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	5	0.31
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	6	0.31
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	30	0.31
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	37	0.31
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	39	0.31
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	45	0.31
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	23	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	28	0.31
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	4	0.31
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	12	0.31
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	44	0.31
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	7	0.31
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	7	0.31
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	7	0.31
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	40	0.31
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	40	0.31
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	40	0.31
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	28	0.31
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	40	0.31
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	7	0.31
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	7	0.31
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	48	0.31
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	48	0.31
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	18	0.31
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	18	0.31
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	31	0.31
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	31	0.31
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	11	0.31
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	14	0.31
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	22	0.31
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	27	0.31
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	31	0.31
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	35	0.31
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	50	0.31
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	2	0.31
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	4	0.31
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	7	0.31
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	10	0.31
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	15	0.31
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	20	0.31
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	21	0.31
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	30	0.31
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	34	0.31
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	36	0.31
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	38	0.31
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	39	0.31
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	47	0.31
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	22	0.31
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	27	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	31	0.31
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	43	0.31
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	32	0.31
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	40	0.31
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	8	0.31
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	13	0.31
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	17	0.31
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	22	0.31
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	13	0.31
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	13	0.31
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	38	0.31
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	42	0.31
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG2	47	0.31
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	12	0.31
(1,948)	1:19:A:PRO:HG2	1:19:A:PRO:HA	25	0.31
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	23	0.31
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	28	0.31
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	4	0.31
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	12	0.31
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	21	0.31
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	46	0.31
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	12	0.31
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	37	0.31
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	32	0.31
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	40	0.31
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	19	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	2	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	3	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	4	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	6	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	8	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	9	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	10	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	11	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	13	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	14	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	16	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	17	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	18	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	19	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	20	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	21	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	26	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	29	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	30	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	32	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	33	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	34	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	35	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	36	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	38	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	39	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	41	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	42	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	43	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	44	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	46	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	47	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	48	0.31
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	50	0.31
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	50	0.31
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	12	0.31
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	7	0.31
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	7	0.31
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	7	0.31
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	8	0.31
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	13	0.31
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	17	0.31
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	22	0.31
(1,775)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	44	0.31
(1,743)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	5	0.31
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	20	0.31
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	40	0.31
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	44	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	2	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	2	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	2	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	10	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	10	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	10	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	11	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	11	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	11	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	13	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	13	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	14	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	14	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	14	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	16	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	16	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	16	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	18	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	18	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	18	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	23	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	23	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	23	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	28	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	28	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	28	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	34	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	34	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	34	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	37	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	37	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	37	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	38	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	38	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	38	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	46	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	46	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	46	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	48	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	48	0.31
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	48	0.31
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	28	0.31
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	40	0.31
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	3	0.31
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	36	0.31
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	44	0.31
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	6	0.31
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	30	0.31
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	37	0.31
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	39	0.31
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	45	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	28	0.31
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	28	0.31
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	28	0.31
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	7	0.31
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	7	0.31
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	7	0.31
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	23	0.31
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	23	0.31
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	23	0.31
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	30	0.31
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	30	0.31
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	30	0.31
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	49	0.31
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	49	0.31
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	49	0.31
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	33	0.31
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	3	0.31
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	10	0.31
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	36	0.31
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	39	0.31
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	2	0.31
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	13	0.31
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	14	0.31
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	15	0.31
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	22	0.31
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	36	0.31
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	42	0.31
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	45	0.31
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	47	0.31
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	49	0.31
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	39	0.31
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	44	0.31
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	40	0.31
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	40	0.31
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	40	0.31
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	22	0.31
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	27	0.31
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	31	0.31
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	43	0.31
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	11	0.31
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	14	0.31
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	22	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	27	0.31
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	31	0.31
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	35	0.31
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	50	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	2	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	4	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	7	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	10	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	15	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	20	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	21	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	30	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	34	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	36	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	38	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	39	0.31
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	47	0.31
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	23	0.31
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	37	0.31
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	22	0.31
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	18	0.31
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	42	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	1	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	2	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	5	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	7	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	11	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	13	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	16	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	17	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	19	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	20	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	21	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	22	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	23	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	24	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	26	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	29	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	30	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	31	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	32	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	33	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	34	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	35	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	36	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	39	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	43	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	45	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	46	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	48	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	49	0.31
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	50	0.31
(1,439)	1:6:A:ALA:HB3	1:31:A:GLU:HB3	24	0.31
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	23	0.31
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	38	0.31
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	14	0.31
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	45	0.31
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE1	9	0.31
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	29	0.31
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	45	0.31
(1,230)	1:25:A:GLN:H	1:25:A:GLN:HG3	19	0.31
(1,230)	1:25:A:GLN:H	1:25:A:GLN:HG3	35	0.31
(1,230)	1:25:A:GLN:H	1:25:A:GLN:HG3	37	0.31
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	13	0.31
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	14	0.31
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	16	0.31
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	18	0.31
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	25	0.31
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	28	0.31
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	35	0.31
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG12	42	0.31
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	38	0.31
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG23	6	0.31
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG23	25	0.31
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	19	0.31
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	1	0.31
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	16	0.31
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	23	0.31
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	40	0.31
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	4	0.31
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	23	0.31
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	38	0.31
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB1	1	0.31
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	39	0.31
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	13	0.31
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	18	0.31
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	29	0.31
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	23	0.31
(1,39)	1:8:A:TYR:HE1	1:12:A:GLN:HB3	14	0.31
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	7	0.3
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	9	0.3
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	13	0.3
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	25	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	9	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	9	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	14	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	14	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	15	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	15	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	16	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	16	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	19	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	19	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	20	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	20	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	24	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	24	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	31	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	31	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	33	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	33	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	35	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	35	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	36	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	36	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	39	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	39	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	41	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	41	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	42	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	42	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	45	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	45	0.3
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	48	0.3
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	48	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	24	0.3
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	1	0.3
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	43	0.3
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	37	0.3
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	1	0.3
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	1	0.3
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	1	0.3
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	2	0.3
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	10	0.3
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	13	0.3
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	15	0.3
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	21	0.3
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	23	0.3
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	25	0.3
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	34	0.3
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	42	0.3
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	46	0.3
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	48	0.3
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	1	0.3
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	5	0.3
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	7	0.3
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	15	0.3
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	23	0.3
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	24	0.3
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	27	0.3
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	28	0.3
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	31	0.3
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	37	0.3
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	45	0.3
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	42	0.3
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	1	0.3
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	16	0.3
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	23	0.3
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	25	0.3
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	26	0.3
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	36	0.3
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	42	0.3
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	43	0.3
(2,768)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	28	0.3
(2,753)	1:31:A:GLU:HA	1:31:A:GLU:HG3	26	0.3
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	13	0.3
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	28	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	13	0.3
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	24	0.3
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	26	0.3
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	33	0.3
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	37	0.3
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	38	0.3
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	39	0.3
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	47	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	5	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	5	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	5	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	17	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	17	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	17	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	19	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	19	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	19	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	22	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	22	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	22	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	42	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	42	0.3
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	42	0.3
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	10	0.3
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	26	0.3
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	35	0.3
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	41	0.3
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	47	0.3
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	1	0.3
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	1	0.3
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	1	0.3
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	12	0.3
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	12	0.3
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	12	0.3
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	16	0.3
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	16	0.3
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	16	0.3
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	22	0.3
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	22	0.3
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	22	0.3
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	14	0.3
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	1	0.3
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	1	0.3
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	19	0.3
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	25	0.3
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	27	0.3
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	39	0.3
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	50	0.3
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	7	0.3
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	31	0.3
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	42	0.3
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	43	0.3
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	8	0.3
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	28	0.3
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	43	0.3
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	50	0.3
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	23	0.3
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	23	0.3
(2,632)	1:8:A:TYR:HB3	1:9:A:CYS:H	15	0.3
(2,625)	1:30:A:LEU:HG	1:30:A:LEU:H	4	0.3
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	3	0.3
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	3	0.3
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	3	0.3
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	6	0.3
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	6	0.3
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	6	0.3
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	12	0.3
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	12	0.3
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	12	0.3
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG11	31	0.3
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG12	31	0.3
(2,569)	1:13:A:CYS:HA	1:18:A:VAL:HG13	31	0.3
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	34	0.3
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	34	0.3
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	34	0.3
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	26	0.3
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	41	0.3
(2,547)	1:3:A:PRO:HA	1:3:A:PRO:HB3	6	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	1	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	3	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	5	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	6	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	9	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	11	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	12	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	13	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	14	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	16	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	17	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	18	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	19	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	22	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	23	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	24	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	25	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	26	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	27	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	28	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	29	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	31	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	32	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	33	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	35	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	37	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	40	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	41	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	42	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	43	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	44	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	45	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	46	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	48	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	49	0.3
(2,545)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	50	0.3
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	12	0.3
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	12	0.3
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	28	0.3
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	28	0.3
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	2	0.3
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	5	0.3
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	33	0.3
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	49	0.3
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	47	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	4	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	6	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	8	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	9	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	10	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	12	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	14	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	15	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	18	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	25	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	27	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	28	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	38	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	40	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	41	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	42	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	44	0.3
(2,516)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	47	0.3
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	12	0.3
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	12	0.3
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	28	0.3
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	28	0.3
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	2	0.3
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	5	0.3
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	33	0.3
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	49	0.3
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	24	0.3
(2,446)	1:31:A:GLU:HA	1:31:A:GLU:HG3	26	0.3
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	47	0.3
(2,426)	1:30:A:LEU:HG	1:30:A:LEU:H	4	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	3	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	4	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	6	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	8	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	9	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	10	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	12	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	14	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	15	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	18	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	25	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	27	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	28	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	38	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	40	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	41	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	42	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	44	0.3
(2,400)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	47	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	5	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	5	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	5	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	17	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	17	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	17	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	19	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	19	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	19	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	22	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	22	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	22	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	42	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	42	0.3
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	42	0.3
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	1	0.3
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	1	0.3
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	1	0.3
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	12	0.3
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	12	0.3
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	12	0.3
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	16	0.3
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	16	0.3
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	16	0.3
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	22	0.3
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	22	0.3
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	22	0.3
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	37	0.3
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	2	0.3
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	10	0.3
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	13	0.3
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	15	0.3
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	21	0.3
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	23	0.3
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	25	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	34	0.3
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	42	0.3
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	46	0.3
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	48	0.3
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	13	0.3
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	24	0.3
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	26	0.3
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	33	0.3
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	37	0.3
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	38	0.3
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	39	0.3
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	47	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	9	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	9	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	14	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	14	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	15	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	15	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	16	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	16	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	19	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	19	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	20	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	20	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	24	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	24	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	31	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	31	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	33	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	33	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	35	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	35	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	36	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	36	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	39	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	39	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	41	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	41	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	42	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	42	0.3
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	45	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	45	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	48	0.3
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	48	0.3
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	1	0.3
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	5	0.3
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	7	0.3
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	15	0.3
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	23	0.3
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	24	0.3
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	27	0.3
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	28	0.3
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	31	0.3
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	37	0.3
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	45	0.3
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	8	0.3
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	28	0.3
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	43	0.3
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	50	0.3
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	42	0.3
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	19	0.3
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	25	0.3
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	27	0.3
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	39	0.3
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	50	0.3
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	13	0.3
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	28	0.3
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	7	0.3
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	31	0.3
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	42	0.3
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	43	0.3
(2,164)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	28	0.3
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	10	0.3
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	26	0.3
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	35	0.3
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	41	0.3
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	47	0.3
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	7	0.3
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	9	0.3
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	13	0.3
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	25	0.3
(2,99)	1:8:A:TYR:HB3	1:9:A:CYS:H	15	0.3
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	34	0.3
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	34	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	34	0.3
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	23	0.3
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	23	0.3
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	1	0.3
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	1	0.3
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	1	0.3
(2,16)	1:3:A:PRO:HA	1:3:A:PRO:HB3	6	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	1	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	3	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	5	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	6	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	8	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	9	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	11	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	12	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	13	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	14	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	16	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	17	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	18	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	19	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	22	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	23	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	24	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	25	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	26	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	27	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	28	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	29	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	31	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	32	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	33	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	35	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	37	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	40	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	41	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	42	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	43	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	44	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	45	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	46	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	48	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	49	0.3
(2,14)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	50	0.3
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	26	0.3
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	41	0.3
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	1	0.3
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	43	0.3
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	1	0.3
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	16	0.3
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	23	0.3
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	25	0.3
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	26	0.3
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	36	0.3
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	42	0.3
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	43	0.3
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	3	0.3
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	36	0.3
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	6	0.3
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	6	0.3
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	6	0.3
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	3	0.3
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	5	0.3
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	28	0.3
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	37	0.3
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	40	0.3
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	47	0.3
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	49	0.3
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	50	0.3
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	7	0.3
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	9	0.3
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	13	0.3
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	25	0.3
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	24	0.3
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	1	0.3
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	43	0.3
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	37	0.3
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	1	0.3
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	1	0.3
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	1	0.3
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	2	0.3
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	10	0.3
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	13	0.3
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	21	0.3
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	23	0.3
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	25	0.3
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	34	0.3
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	42	0.3
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	46	0.3
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	48	0.3
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	1	0.3
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	5	0.3
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	7	0.3
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	15	0.3
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	23	0.3
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	24	0.3
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	27	0.3
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	28	0.3
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	31	0.3
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	37	0.3
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	45	0.3
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	42	0.3
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	1	0.3
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	16	0.3
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	23	0.3
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	25	0.3
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	26	0.3
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	36	0.3
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	42	0.3
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	43	0.3
(1,743)	1:12:A:GLN:HG3	1:12:A:GLN:HE21	28	0.3
(1,728)	1:31:A:GLU:HA	1:31:A:GLU:HG3	26	0.3
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	13	0.3
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	28	0.3
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	13	0.3
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	24	0.3
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	26	0.3
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	33	0.3
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	37	0.3
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	38	0.3
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	39	0.3
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	47	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	5	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	5	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	17	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	17	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	17	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	19	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	19	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	19	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	22	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	22	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	22	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	42	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	42	0.3
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	42	0.3
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	10	0.3
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	26	0.3
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	35	0.3
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	41	0.3
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	47	0.3
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	1	0.3
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	1	0.3
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	1	0.3
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	12	0.3
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	12	0.3
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	12	0.3
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	16	0.3
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	16	0.3
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	16	0.3
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	22	0.3
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	22	0.3
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	22	0.3
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	19	0.3
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	25	0.3
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	27	0.3
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	39	0.3
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	50	0.3
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	7	0.3
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	31	0.3
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	42	0.3
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	43	0.3
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	8	0.3
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	28	0.3
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	43	0.3
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	50	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:8:A:TYR:HB3	1:9:A:CYS:H	15	0.3
(1,608)	1:30:A:LEU:HG	1:30:A:LEU:H	4	0.3
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	34	0.3
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	34	0.3
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	34	0.3
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	26	0.3
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	41	0.3
(1,537)	1:3:A:PRO:HA	1:3:A:PRO:HB3	6	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	1	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	3	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	5	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	6	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	8	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	9	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	11	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	12	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	13	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	14	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	16	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	17	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	18	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	19	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	22	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	23	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	24	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	25	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	26	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	27	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	28	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	29	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	31	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	32	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	33	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	35	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	37	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	40	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	41	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	42	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	43	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	44	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	45	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	46	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	48	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	49	0.3
(1,535)	1:3:A:PRO:HD2	1:3:A:PRO:HD3	50	0.3
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	2	0.3
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	5	0.3
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	33	0.3
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	49	0.3
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	47	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	3	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	4	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	6	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	8	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	9	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	10	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	12	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	14	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	15	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	18	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	25	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	27	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	28	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	38	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	40	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	41	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	42	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	44	0.3
(1,506)	1:29:A:PRO:HD3	1:29:A:PRO:HG3	47	0.3
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD2	34	0.3
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	30	0.3
(1,389)	1:30:A:LEU:HD13	1:30:A:LEU:H	37	0.3
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	34	0.3
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	49	0.3
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	42	0.3
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	48	0.3
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	1	0.3
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	21	0.3
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	23	0.3
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	45	0.3
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	46	0.3
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	48	0.3
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG11	34	0.3
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG11	39	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,190)	1:18:A:VAL:HG23	1:22:A:GLN:HG3	28	0.3
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG22	2	0.3
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG22	6	0.3
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	13	0.3
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	17	0.3
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	20	0.3
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	28	0.3
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	36	0.3
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	45	0.3
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	12	0.3
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	15	0.3
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	16	0.3
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	18	0.3
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	20	0.3
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	40	0.3
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	41	0.3
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	4	0.3
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	15	0.3
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	12	0.3
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	22	0.3
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	48	0.3
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	5	0.3
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	25	0.3
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	30	0.3
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	42	0.3
(1,83)	1:24:A:TYR:HE2	1:28:A:SER:HB2	15	0.3
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	34	0.3
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	25	0.29
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	24	0.29
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	49	0.29
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	50	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	1	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	2	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	3	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	4	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	5	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	6	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	7	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	8	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	10	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	11	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	14	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	15	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	16	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	17	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	18	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	19	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	20	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	21	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	22	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	23	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	24	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	26	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	27	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	28	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	29	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	30	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	31	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	32	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	33	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	34	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	35	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	36	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	37	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	38	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	39	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	40	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	41	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	42	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	43	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	44	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	45	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	46	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	47	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	48	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	49	0.29
(2,921)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	50	0.29
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	27	0.29
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	5	0.29
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	23	0.29
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	45	0.29
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	47	0.29
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	49	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	17	0.29
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	18	0.29
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	41	0.29
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	38	0.29
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	17	0.29
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	22	0.29
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	36	0.29
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	41	0.29
(2,850)	1:2:A:SER:HB2	1:2:A:SER:H	14	0.29
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	25	0.29
(2,848)	1:19:A:PRO:HA	1:19:A:PRO:HB3	40	0.29
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	34	0.29
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	45	0.29
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	30	0.29
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	47	0.29
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	7	0.29
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	11	0.29
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	15	0.29
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	33	0.29
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	40	0.29
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	47	0.29
(2,800)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	7	0.29
(2,800)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	19	0.29
(2,800)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	31	0.29
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	1	0.29
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	35	0.29
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	42	0.29
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	2	0.29
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	48	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	1	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	2	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	3	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	4	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	5	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	6	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	7	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	8	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	9	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	10	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	11	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	12	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	15	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	16	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	17	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	18	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	19	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	20	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	21	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	22	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	23	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	25	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	27	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	28	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	29	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	30	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	31	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	32	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	34	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	35	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	36	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	40	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	41	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	42	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	43	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	44	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	45	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	46	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	48	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	49	0.29
(2,731)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	50	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	1	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	2	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	3	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	4	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	5	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	6	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	7	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	8	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	9	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	10	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	11	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	12	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	14	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	15	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	16	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	17	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	18	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	19	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	20	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	21	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	22	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	23	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	24	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	25	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	26	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	27	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	28	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	29	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	30	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	31	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	32	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	33	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	34	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	35	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	36	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	37	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	38	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	39	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	40	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	41	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	42	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	43	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	44	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	45	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	46	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	47	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	48	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	49	0.29
(2,729)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	50	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	6	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	6	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	6	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	7	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	7	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	15	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	15	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	15	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	21	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	21	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	21	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	29	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	29	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	29	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	33	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	33	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	33	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	45	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	45	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	45	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	50	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	50	0.29
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	50	0.29
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	49	0.29
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	19	0.29
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	20	0.29
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	49	0.29
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	28	0.29
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	43	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	2	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	2	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	2	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	13	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	13	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	13	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	25	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	25	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	25	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	38	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	38	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	38	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	41	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	41	0.29
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	41	0.29
(2,682)	1:23:A:CYS:HA	1:23:A:CYS:HB3	39	0.29
(2,682)	1:23:A:CYS:HA	1:23:A:CYS:HB3	47	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	14	0.29
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	17	0.29
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	27	0.29
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	2	0.29
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	2	0.29
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	2	0.29
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	2	0.29
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	5	0.29
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	14	0.29
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	22	0.29
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	42	0.29
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	44	0.29
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	45	0.29
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	49	0.29
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	13	0.29
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	22	0.29
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	1	0.29
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	6	0.29
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	32	0.29
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	38	0.29
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	3	0.29
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	3	0.29
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	31	0.29
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	23	0.29
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	31	0.29
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	13	0.29
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	10	0.29
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	10	0.29
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	10	0.29
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	25	0.29
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	25	0.29
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	25	0.29
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	41	0.29
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	41	0.29
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	41	0.29
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	42	0.29
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	42	0.29
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	42	0.29
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	42	0.29
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	42	0.29
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	42	0.29
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	35	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	35	0.29
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	35	0.29
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	22	0.29
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	1	0.29
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	7	0.29
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	11	0.29
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	17	0.29
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	19	0.29
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	48	0.29
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	37	0.29
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	37	0.29
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	11	0.29
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	50	0.29
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	37	0.29
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	27	0.29
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	37	0.29
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	37	0.29
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	11	0.29
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	50	0.29
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	5	0.29
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	23	0.29
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	45	0.29
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	47	0.29
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	49	0.29
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	31	0.29
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	37	0.29
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	19	0.29
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	20	0.29
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	49	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	6	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	6	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	6	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	7	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	7	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	7	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	15	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	15	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	15	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	21	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	21	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	21	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	29	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	29	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	29	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	33	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	33	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	33	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	45	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	45	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	45	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	50	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	50	0.29
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	50	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	1	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	2	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	3	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	4	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	5	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	6	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	7	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	8	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	9	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	10	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	11	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	12	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	13	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	14	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	15	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	16	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	17	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	18	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	19	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	20	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	21	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	22	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	23	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	24	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	25	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	26	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	27	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	28	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	29	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	30	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	31	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	32	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	33	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	34	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	35	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	36	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	37	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	38	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	39	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	40	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	41	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	42	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	43	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	44	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	45	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	46	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	47	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	48	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	49	0.29
(2,338)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	50	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	2	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	2	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	2	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	13	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	13	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	13	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	25	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	25	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	25	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	38	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	38	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	38	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	41	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	41	0.29
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	41	0.29
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	17	0.29
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	22	0.29
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	36	0.29
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	41	0.29
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	1	0.29
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	35	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	1	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	3	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	4	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	5	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	6	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	7	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	8	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	9	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	10	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	11	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	12	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	14	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	15	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	16	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	17	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	18	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	19	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	20	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	21	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	22	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	23	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	25	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	27	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	28	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	29	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	30	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	31	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	32	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	34	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	35	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	36	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	40	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	41	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	42	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	43	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	44	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	45	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	46	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	48	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	49	0.29
(2,319)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	50	0.29
(2,317)	1:23:A:CYS:HA	1:23:A:CYS:HB3	39	0.29
(2,317)	1:23:A:CYS:HA	1:23:A:CYS:HB3	47	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	13	0.29
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	38	0.29
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	23	0.29
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	31	0.29
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	25	0.29
(2,260)	1:19:A:PRO:HA	1:19:A:PRO:HB3	40	0.29
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	32	0.29
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	38	0.29
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	30	0.29
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	47	0.29
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	34	0.29
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	45	0.29
(2,221)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	7	0.29
(2,221)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	19	0.29
(2,221)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	31	0.29
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	2	0.29
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	5	0.29
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	14	0.29
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	22	0.29
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	42	0.29
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	44	0.29
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	45	0.29
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	49	0.29
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	2	0.29
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	48	0.29
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	14	0.29
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	13	0.29
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	22	0.29
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	1	0.29
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	6	0.29
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	28	0.29
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	43	0.29
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	25	0.29
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	24	0.29
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	49	0.29
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	50	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	1	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	2	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	3	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	4	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	5	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	7	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	8	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	10	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	11	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	12	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	14	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	15	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	16	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	17	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	18	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	19	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	20	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	21	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	22	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	23	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	24	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	26	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	27	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	28	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	29	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	30	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	31	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	32	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	33	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	34	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	35	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	36	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	37	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	38	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	39	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	40	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	41	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	42	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	43	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	44	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	45	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	46	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	47	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	48	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	49	0.29
(2,155)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	50	0.29
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	42	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	42	0.29
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	42	0.29
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	42	0.29
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	35	0.29
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	35	0.29
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	35	0.29
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	22	0.29
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	49	0.29
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	3	0.29
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	3	0.29
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	1	0.29
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	7	0.29
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	11	0.29
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	17	0.29
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	19	0.29
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	48	0.29
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	17	0.29
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	18	0.29
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	41	0.29
(2,5)	1:2:A:SER:HB2	1:2:A:SER:H	14	0.29
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	7	0.29
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	11	0.29
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	15	0.29
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	33	0.29
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	40	0.29
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	47	0.29
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	10	0.29
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	39	0.29
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	43	0.29
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	1	0.29
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	22	0.29
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	24	0.29
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	25	0.29
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	24	0.29
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	49	0.29
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	50	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	1	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	2	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	3	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	4	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	5	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	7	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	8	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	10	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	11	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	12	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	14	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	15	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	16	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	17	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	18	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	19	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	20	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	21	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	22	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	23	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	24	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	26	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	27	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	28	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	29	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	30	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	31	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	32	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	33	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	34	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	35	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	36	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	37	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	38	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	39	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	40	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	41	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	42	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	43	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	44	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	45	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	46	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	47	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	48	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	49	0.29
(1,895)	1:11:A:GLU:HB2	1:11:A:GLU:HB3	50	0.29
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	27	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	5	0.29
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	23	0.29
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	45	0.29
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	47	0.29
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	49	0.29
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	17	0.29
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	18	0.29
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	41	0.29
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	38	0.29
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	17	0.29
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	22	0.29
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	36	0.29
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	41	0.29
(1,824)	1:2:A:SER:HB2	1:2:A:SER:H	14	0.29
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	25	0.29
(1,822)	1:19:A:PRO:HA	1:19:A:PRO:HB3	40	0.29
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	4	0.29
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	12	0.29
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	34	0.29
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	45	0.29
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	30	0.29
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	47	0.29
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	7	0.29
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	11	0.29
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	15	0.29
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	33	0.29
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	40	0.29
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	47	0.29
(1,775)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	7	0.29
(1,775)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	19	0.29
(1,775)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	31	0.29
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	1	0.29
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	35	0.29
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	42	0.29
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	2	0.29
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	48	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	1	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	2	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	3	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	4	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	5	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	7	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	8	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	9	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	10	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	11	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	12	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	14	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	15	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	16	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	17	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	18	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	19	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	20	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	21	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	22	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	23	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	25	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	27	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	28	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	29	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	30	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	31	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	32	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	34	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	35	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	36	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	40	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	41	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	42	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	43	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	44	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	45	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	46	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	48	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	49	0.29
(1,707)	1:23:A:CYS:HB2	1:23:A:CYS:HB3	50	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	1	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	2	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	3	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	4	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	5	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	7	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	8	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	9	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	10	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	11	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	12	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	13	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	14	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	15	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	16	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	17	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	18	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	19	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	20	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	21	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	22	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	23	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	24	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	25	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	26	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	27	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	28	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	29	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	30	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	31	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	32	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	33	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	34	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	35	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	36	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	37	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	38	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	39	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	40	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	41	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	42	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	43	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	44	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	45	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	46	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	47	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	48	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	49	0.29
(1,705)	1:24:A:TYR:HB2	1:24:A:TYR:HB3	50	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	6	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	6	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	6	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	7	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	7	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	7	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	15	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	15	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	15	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	21	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	21	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	21	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	29	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	29	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	29	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	33	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	33	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	33	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	45	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	45	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	45	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	50	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	50	0.29
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	50	0.29
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	49	0.29
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	19	0.29
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	20	0.29
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	49	0.29
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	28	0.29
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	43	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	2	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	2	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	2	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	13	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	13	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	13	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	25	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	25	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	25	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	38	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	38	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	38	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	41	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	41	0.29
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	41	0.29
(1,659)	1:23:A:CYS:HA	1:23:A:CYS:HB3	39	0.29
(1,659)	1:23:A:CYS:HA	1:23:A:CYS:HB3	47	0.29
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	14	0.29
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	2	0.29
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	5	0.29
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	14	0.29
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	22	0.29
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	42	0.29
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	44	0.29
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	45	0.29
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	49	0.29
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	13	0.29
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	22	0.29
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	1	0.29
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	6	0.29
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	32	0.29
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	38	0.29
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	31	0.29
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	23	0.29
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	31	0.29
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	13	0.29
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	42	0.29
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	42	0.29
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	42	0.29
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	35	0.29
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	35	0.29
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	35	0.29
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	22	0.29
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	1	0.29
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	7	0.29
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	11	0.29
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	17	0.29
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	19	0.29
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	48	0.29
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	11	0.29
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	50	0.29
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	37	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	2	0.29
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	4	0.29
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	19	0.29
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	36	0.29
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	49	0.29
(1,439)	1:6:A:ALA:HB1	1:31:A:GLU:HB3	46	0.29
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	13	0.29
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	45	0.29
(1,378)	1:25:A:GLN:HG2	1:25:A:GLN:H	17	0.29
(1,378)	1:25:A:GLN:HG2	1:25:A:GLN:H	19	0.29
(1,378)	1:25:A:GLN:HG2	1:25:A:GLN:H	34	0.29
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	2	0.29
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	9	0.29
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	1	0.29
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	12	0.29
(1,230)	1:25:A:GLN:H	1:25:A:GLN:HG3	1	0.29
(1,230)	1:25:A:GLN:H	1:25:A:GLN:HG3	17	0.29
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	2	0.29
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	5	0.29
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	8	0.29
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	10	0.29
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	15	0.29
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	17	0.29
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	20	0.29
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	29	0.29
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	31	0.29
(1,190)	1:18:A:VAL:HG22	1:22:A:GLN:HG3	47	0.29
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	37	0.29
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG22	48	0.29
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG11	2	0.29
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	4	0.29
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	18	0.29
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	22	0.29
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	29	0.29
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	43	0.29
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	49	0.29
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	2	0.29
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	9	0.29
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	10	0.29
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	13	0.29
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	19	0.29
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	30	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	32	0.29
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	33	0.29
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	39	0.29
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	42	0.29
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	43	0.29
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	48	0.29
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	23	0.29
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	10	0.29
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG13	11	0.29
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	12	0.29
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	34	0.29
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	36	0.29
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	45	0.29
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	37	0.29
(1,95)	1:28:A:SER:HA	1:28:A:SER:HB3	3	0.29
(1,95)	1:28:A:SER:HA	1:28:A:SER:HB3	16	0.29
(1,95)	1:28:A:SER:HA	1:28:A:SER:HB3	22	0.29
(1,95)	1:28:A:SER:HA	1:28:A:SER:HB3	24	0.29
(1,95)	1:28:A:SER:HA	1:28:A:SER:HB3	30	0.29
(1,95)	1:28:A:SER:HA	1:28:A:SER:HB3	36	0.29
(1,95)	1:28:A:SER:HA	1:28:A:SER:HB3	41	0.29
(1,95)	1:28:A:SER:HA	1:28:A:SER:HB3	49	0.29
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	1	0.29
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	8	0.29
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	21	0.29
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	26	0.29
(1,81)	1:24:A:TYR:HD1	1:28:A:SER:HB2	13	0.29
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	31	0.29
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	50	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	1	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	2	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	3	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	4	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	5	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	6	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	7	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	8	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	9	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	10	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	11	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	12	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	14	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	15	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	16	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	17	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	18	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	19	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	20	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	21	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	22	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	23	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	24	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	25	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	26	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	27	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	28	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	29	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	30	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	31	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	32	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	33	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	34	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	35	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	36	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	37	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	38	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	39	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	40	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	41	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	42	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	43	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	44	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	45	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	46	0.29
(1,79)	1:24:A:TYR:HD2	1:24:A:TYR:HE2	47	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	48	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	49	0.29
(1,79)	1:24:A:TYR:HD1	1:24:A:TYR:HE1	50	0.29
(1,77)	1:24:A:TYR:HD1	1:25:A:GLN:HA	28	0.29
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	14	0.28
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	28	0.28
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	46	0.28
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	22	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	31	0.28
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	48	0.28
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	50	0.28
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	18	0.28
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	5	0.28
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	5	0.28
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	5	0.28
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	12	0.28
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	12	0.28
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	12	0.28
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	4	0.28
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	16	0.28
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	27	0.28
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	29	0.28
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	37	0.28
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	43	0.28
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	49	0.28
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	1	0.28
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	4	0.28
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	34	0.28
(2,850)	1:2:A:SER:HB2	1:2:A:SER:H	6	0.28
(2,850)	1:2:A:SER:HB2	1:2:A:SER:H	47	0.28
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	28	0.28
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	24	0.28
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	24	0.28
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	11	0.28
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	2	0.28
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	6	0.28
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	10	0.28
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	14	0.28
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	18	0.28
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	19	0.28
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	24	0.28
(2,800)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	22	0.28
(2,800)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	33	0.28
(2,800)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	36	0.28
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	14	0.28
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	44	0.28
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	30	0.28
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	44	0.28
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	45	0.28
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	47	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	3	0.28
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	3	0.28
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	3	0.28
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	9	0.28
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	9	0.28
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	9	0.28
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	27	0.28
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	27	0.28
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	27	0.28
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	30	0.28
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	30	0.28
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	30	0.28
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	4	0.28
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	4	0.28
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	5	0.28
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	5	0.28
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	45	0.28
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	1	0.28
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	5	0.28
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	8	0.28
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	17	0.28
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	36	0.28
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	42	0.28
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	6	0.28
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	6	0.28
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	6	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	5	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	5	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	5	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	20	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	20	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	20	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	36	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	36	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	36	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	39	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	39	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	39	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	47	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	47	0.28
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	47	0.28
(2,682)	1:23:A:CYS:HA	1:23:A:CYS:HB3	26	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	5	0.28
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	16	0.28
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	4	0.28
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	29	0.28
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	44	0.28
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	6	0.28
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	6	0.28
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	6	0.28
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	28	0.28
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	28	0.28
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	28	0.28
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	31	0.28
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	31	0.28
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	31	0.28
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	43	0.28
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	43	0.28
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	43	0.28
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	9	0.28
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	10	0.28
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	46	0.28
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	47	0.28
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	33	0.28
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	11	0.28
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	20	0.28
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	1	0.28
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	2	0.28
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	29	0.28
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	30	0.28
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	32	0.28
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	38	0.28
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	39	0.28
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	44	0.28
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	46	0.28
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	50	0.28
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	10	0.28
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	30	0.28
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	2	0.28
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	2	0.28
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	5	0.28
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	5	0.28
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	6	0.28
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	1	0.28
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	14	0.28
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	37	0.28
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	3	0.28
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	8	0.28
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	23	0.28
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	4	0.28
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	4	0.28
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	39	0.28
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	39	0.28
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	3	0.28
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	3	0.28
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	3	0.28
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	28	0.28
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	32	0.28
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	48	0.28
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	3	0.28
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	3	0.28
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	12	0.28
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	12	0.28
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	25	0.28
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	25	0.28
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	26	0.28
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	26	0.28
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	29	0.28
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	29	0.28
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	35	0.28
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	35	0.28
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	41	0.28
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	41	0.28
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	43	0.28
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	43	0.28
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	47	0.28
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	47	0.28
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	48	0.28
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	48	0.28
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	13	0.28
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	13	0.28
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	30	0.28
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	30	0.28
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	30	0.28
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	24	0.28
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	28	0.28
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	2	0.28
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	23	0.28
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	23	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	1	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	2	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	3	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	4	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	5	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	6	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	7	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	8	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	9	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	10	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	11	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	12	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	13	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	14	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	15	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	16	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	17	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	18	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	19	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	20	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	21	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	22	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	23	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	24	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	25	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	26	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	27	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	28	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	29	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	30	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	31	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	32	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	33	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	34	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	35	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	36	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	37	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	38	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	39	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	40	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	41	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	42	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	43	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	44	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	45	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	46	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	47	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	48	0.28
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	49	0.28
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	46	0.28
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	4	0.28
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	4	0.28
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	3	0.28
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	3	0.28
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	12	0.28
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	12	0.28
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	25	0.28
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	25	0.28
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	26	0.28
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	26	0.28
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	29	0.28
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	29	0.28
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	35	0.28
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	35	0.28
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	41	0.28
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	41	0.28
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	43	0.28
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	43	0.28
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	47	0.28
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	47	0.28
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	48	0.28
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	48	0.28
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	44	0.28
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	13	0.28
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	13	0.28
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	30	0.28
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	30	0.28
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	30	0.28
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	28	0.28
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	5	0.28
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	24	0.28
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	28	0.28
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	6	0.28
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	6	0.28
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	6	0.28
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	28	0.28
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	45	0.28
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	3	0.28
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	3	0.28
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	3	0.28
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	9	0.28
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	9	0.28
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	9	0.28
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	27	0.28
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	27	0.28
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	27	0.28
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	30	0.28
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	30	0.28
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	30	0.28
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	2	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	5	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	5	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	5	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	20	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	20	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	20	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	36	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	36	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	36	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	39	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	39	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	39	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	47	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	47	0.28
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	47	0.28
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	18	0.28
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	1	0.28
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	4	0.28
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	34	0.28
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	16	0.28
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	27	0.28
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	29	0.28
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	37	0.28
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	43	0.28
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	49	0.28
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	14	0.28
(2,317)	1:23:A:CYS:HA	1:23:A:CYS:HB3	26	0.28
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	1	0.28
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	14	0.28
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	37	0.28
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	24	0.28
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	24	0.28
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	1	0.28
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	2	0.28
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	29	0.28
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	30	0.28
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	32	0.28
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	38	0.28
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	39	0.28
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	44	0.28
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	46	0.28
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	50	0.28
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	10	0.28
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	30	0.28
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	11	0.28
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	32	0.28
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	48	0.28
(2,221)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	22	0.28
(2,221)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	33	0.28
(2,221)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	36	0.28
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	9	0.28
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	10	0.28
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	46	0.28
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	47	0.28
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	5	0.28
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	16	0.28
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	33	0.28
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	11	0.28
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	20	0.28
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	1	0.28
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	8	0.28
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	17	0.28
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	36	0.28
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	42	0.28
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	3	0.28
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	8	0.28
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	23	0.28
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	23	0.28
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	23	0.28
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	30	0.28
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	44	0.28
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	45	0.28
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	47	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	1	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	2	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	3	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	4	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	5	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	6	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	7	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	8	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	9	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	10	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	11	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	12	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	13	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	14	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	15	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	16	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	17	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	18	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	19	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	20	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	21	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	22	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	23	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	24	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	25	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	26	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	27	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	28	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	29	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	30	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	31	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	32	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	33	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	34	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	35	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	36	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	37	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	38	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	39	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	40	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	41	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	42	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	43	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	44	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	45	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	46	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	47	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	48	0.28
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	49	0.28
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	3	0.28
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	3	0.28
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	3	0.28
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	2	0.28
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	2	0.28
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	5	0.28
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	5	0.28
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	6	0.28
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	6	0.28
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	5	0.28
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	5	0.28
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	5	0.28
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	5	0.28
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	5	0.28
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	12	0.28
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	12	0.28
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	12	0.28
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	4	0.28
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	4	0.28
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	39	0.28
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	39	0.28
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	28	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	22	0.28
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	31	0.28
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	48	0.28
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	50	0.28
(2,5)	1:2:A:SER:HB2	1:2:A:SER:H	6	0.28
(2,5)	1:2:A:SER:HB2	1:2:A:SER:H	47	0.28
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	2	0.28
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	6	0.28
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	10	0.28
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	14	0.28
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	18	0.28
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	19	0.28
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	24	0.28
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	6	0.28
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	7	0.28
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	31	0.28
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	42	0.28
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	24	0.28
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	24	0.28
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	24	0.28
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	9	0.28
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG3	18	0.28
(1,978)	1:17:A:LYS:H	1:17:A:LYS:HG3	42	0.28
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	3	0.28
(1,954)	1:22:A:GLN:HB3	1:19:A:PRO:HD3	14	0.28
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	14	0.28
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	28	0.28
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	46	0.28
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	22	0.28
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	31	0.28
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	48	0.28
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	50	0.28
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	18	0.28
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	5	0.28
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	5	0.28
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	5	0.28
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	12	0.28
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	12	0.28
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	12	0.28
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	4	0.28
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	16	0.28
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	27	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	29	0.28
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	37	0.28
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	43	0.28
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	49	0.28
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	1	0.28
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	4	0.28
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	34	0.28
(1,824)	1:2:A:SER:HB2	1:2:A:SER:H	6	0.28
(1,824)	1:2:A:SER:HB2	1:2:A:SER:H	47	0.28
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	28	0.28
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	8	0.28
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	19	0.28
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	21	0.28
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	36	0.28
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	11	0.28
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	2	0.28
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	6	0.28
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	10	0.28
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	14	0.28
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	18	0.28
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	19	0.28
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	24	0.28
(1,775)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	22	0.28
(1,775)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	33	0.28
(1,775)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	36	0.28
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	14	0.28
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	44	0.28
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	30	0.28
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	44	0.28
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	45	0.28
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	47	0.28
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	3	0.28
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	3	0.28
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	3	0.28
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	9	0.28
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	9	0.28
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	9	0.28
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	27	0.28
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	27	0.28
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	27	0.28
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	30	0.28
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	30	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	30	0.28
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	45	0.28
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	1	0.28
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	5	0.28
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	8	0.28
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	17	0.28
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	36	0.28
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	42	0.28
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	6	0.28
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	6	0.28
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	6	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	5	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	5	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	5	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	20	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	20	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	20	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	36	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	36	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	36	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	39	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	39	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	39	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	47	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	47	0.28
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	47	0.28
(1,659)	1:23:A:CYS:HA	1:23:A:CYS:HB3	26	0.28
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	5	0.28
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	16	0.28
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	9	0.28
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	10	0.28
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	46	0.28
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	47	0.28
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	33	0.28
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	11	0.28
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	20	0.28
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	1	0.28
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	2	0.28
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	29	0.28
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	30	0.28
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	32	0.28
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	38	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	39	0.28
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	44	0.28
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	46	0.28
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	50	0.28
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	10	0.28
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	30	0.28
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	1	0.28
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	14	0.28
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	37	0.28
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	3	0.28
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	8	0.28
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	23	0.28
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	3	0.28
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	3	0.28
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	3	0.28
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	28	0.28
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	32	0.28
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	48	0.28
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	30	0.28
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	5	0.28
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	24	0.28
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	28	0.28
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	2	0.28
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	23	0.28
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	23	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	1	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	2	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	3	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	4	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	5	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	6	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	7	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	8	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	9	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	10	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	11	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	12	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	13	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	14	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	15	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	16	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	18	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	19	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	20	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	21	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	22	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	23	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	24	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	25	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	26	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	27	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	28	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	29	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	30	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	31	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	32	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	33	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	34	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	35	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	36	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	37	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	38	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	39	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	40	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	41	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	42	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	43	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	44	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	45	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	46	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	47	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	48	0.28
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	49	0.28
(1,414)	1:2:A:SER:HB3	1:5:A:GLN:HB3	15	0.28
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	32	0.28
(1,378)	1:25:A:GLN:HG2	1:25:A:GLN:H	11	0.28
(1,378)	1:25:A:GLN:HG2	1:25:A:GLN:H	35	0.28
(1,378)	1:25:A:GLN:HG2	1:25:A:GLN:H	44	0.28
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	12	0.28
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	24	0.28
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	42	0.28
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	44	0.28
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	23	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:17:A:LYS:H	1:14:A:ASN:HA	37	0.28
(1,305)	1:17:A:LYS:H	1:14:A:ASN:HA	40	0.28
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	45	0.28
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	39	0.28
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	32	0.28
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	3	0.28
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	12	0.28
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	22	0.28
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	30	0.28
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	44	0.28
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	50	0.28
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG21	14	0.28
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG21	23	0.28
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG12	17	0.28
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	42	0.28
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG21	20	0.28
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	24	0.28
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	32	0.28
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	35	0.28
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	41	0.28
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	42	0.28
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	1	0.28
(1,170)	1:31:A:GLU:HA	1:6:A:ALA:HB3	16	0.28
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	49	0.28
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	39	0.28
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG13	28	0.28
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	3	0.28
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	6	0.28
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	11	0.28
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	19	0.28
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	22	0.28
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	29	0.28
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	44	0.28
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	32	0.28
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	5	0.28
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	24	0.28
(1,95)	1:28:A:SER:HA	1:28:A:SER:HB3	17	0.28
(1,95)	1:28:A:SER:HA	1:28:A:SER:HB3	44	0.28
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	4	0.28
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	11	0.28
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	13	0.28
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	31	0.28
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	40	0.28
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	46	0.28
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	48	0.28
(1,52)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	18	0.28
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	20	0.27
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	4	0.27
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	7	0.27
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	25	0.27
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	8	0.27
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	11	0.27
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	16	0.27
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	23	0.27
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	27	0.27
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	45	0.27
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	5	0.27
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	19	0.27
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	41	0.27
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	19	0.27
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	19	0.27
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	35	0.27
(2,845)	1:16:A:ASN:HB3	1:16:A:ASN:H	32	0.27
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	7	0.27
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	7	0.27
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	21	0.27
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	27	0.27
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	29	0.27
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	39	0.27
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	44	0.27
(2,800)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	26	0.27
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	4	0.27
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	32	0.27
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	37	0.27
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	43	0.27
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	49	0.27
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	3	0.27
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	5	0.27
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	19	0.27
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	20	0.27
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	31	0.27
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	36	0.27
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	40	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,767)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	41	0.27
(2,767)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	41	0.27
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	8	0.27
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	15	0.27
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	39	0.27
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	26	0.27
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	26	0.27
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	26	0.27
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	35	0.27
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	35	0.27
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	35	0.27
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	39	0.27
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	39	0.27
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	39	0.27
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	22	0.27
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	2	0.27
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	4	0.27
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	16	0.27
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	25	0.27
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	24	0.27
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	24	0.27
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	24	0.27
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	11	0.27
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	11	0.27
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	11	0.27
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	26	0.27
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	26	0.27
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	26	0.27
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	32	0.27
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	32	0.27
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	32	0.27
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	37	0.27
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	37	0.27
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	37	0.27
(2,682)	1:23:A:CYS:HA	1:23:A:CYS:HB3	33	0.27
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	22	0.27
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	20	0.27
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	20	0.27
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	20	0.27
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	11	0.27
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	12	0.27
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	30	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	35	0.27
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	41	0.27
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	48	0.27
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	15	0.27
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	12	0.27
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	23	0.27
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	30	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	3	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	4	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	5	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	6	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	7	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	8	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	9	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	10	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	11	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	12	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	13	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	14	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	15	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	16	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	17	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	18	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	19	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	20	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	21	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	22	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	23	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	24	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	25	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	26	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	27	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	28	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	31	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	33	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	34	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	35	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	36	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	37	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	40	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	41	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	42	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	43	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	45	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	47	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	48	0.27
(2,657)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	49	0.27
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	12	0.27
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	44	0.27
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	9	0.27
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	9	0.27
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	13	0.27
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	13	0.27
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	44	0.27
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	6	0.27
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	24	0.27
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	37	0.27
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	39	0.27
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	40	0.27
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	23	0.27
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	23	0.27
(2,601)	1:13:A:CYS:HB2	1:13:A:CYS:H	40	0.27
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	30	0.27
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	30	0.27
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	30	0.27
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	47	0.27
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	47	0.27
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	47	0.27
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	43	0.27
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	43	0.27
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	43	0.27
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	6	0.27
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	6	0.27
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	6	0.27
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	11	0.27
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	11	0.27
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	11	0.27
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	49	0.27
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	49	0.27
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	49	0.27
(2,564)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	47	0.27
(2,564)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	47	0.27
(2,564)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	47	0.27
(2,554)	1:8:A:TYR:HA	1:11:A:GLU:HB2	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	45	0.27
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	46	0.27
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	4	0.27
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	4	0.27
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	20	0.27
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	20	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	1	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	2	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	3	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	4	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	5	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	6	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	7	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	8	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	9	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	11	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	12	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	13	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	14	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	15	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	16	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	17	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	18	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	19	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	20	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	21	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	22	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	23	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	24	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	25	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	26	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	27	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	28	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	29	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	30	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	31	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	32	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	33	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	34	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	35	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	36	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	37	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	38	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	39	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	40	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	41	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	42	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	43	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	45	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	46	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	47	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	48	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	49	0.27
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	50	0.27
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	9	0.27
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	9	0.27
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	42	0.27
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	42	0.27
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	44	0.27
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	44	0.27
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	50	0.27
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	50	0.27
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	31	0.27
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	29	0.27
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	35	0.27
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	24	0.27
(2,480)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	50	0.27
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	9	0.27
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	9	0.27
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	42	0.27
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	42	0.27
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	44	0.27
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	44	0.27
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	50	0.27
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	50	0.27
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	31	0.27
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	4	0.27
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	7	0.27
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	25	0.27
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	44	0.27
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	29	0.27
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	35	0.27
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	24	0.27
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	24	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	24	0.27
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	22	0.27
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	26	0.27
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	26	0.27
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	26	0.27
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	35	0.27
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	35	0.27
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	35	0.27
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	39	0.27
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	39	0.27
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	39	0.27
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	24	0.27
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	15	0.27
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	11	0.27
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	11	0.27
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	11	0.27
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	26	0.27
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	26	0.27
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	26	0.27
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	32	0.27
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	32	0.27
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	32	0.27
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	37	0.27
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	37	0.27
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	37	0.27
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	5	0.27
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	19	0.27
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	41	0.27
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	35	0.27
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	4	0.27
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	32	0.27
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	37	0.27
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	43	0.27
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	49	0.27
(2,317)	1:23:A:CYS:HA	1:23:A:CYS:HB3	33	0.27
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	6	0.27
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	24	0.27
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	7	0.27
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	7	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	3	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	4	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	6	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	7	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	8	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	9	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	10	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	11	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	12	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	13	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	14	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	15	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	16	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	17	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	18	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	19	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	20	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	21	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	22	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	23	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	24	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	25	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	26	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	27	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	28	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	31	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	33	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	34	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	35	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	36	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	37	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	40	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	41	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	42	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	43	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	45	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	47	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	48	0.27
(2,258)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	49	0.27
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	12	0.27
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	44	0.27
(2,222)	1:16:A:ASN:HB3	1:16:A:ASN:H	32	0.27
(2,221)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	26	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	2	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	3	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	4	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	5	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	6	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	7	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	8	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	9	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	11	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	12	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	13	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	14	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	15	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	16	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	17	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	18	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	19	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	20	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	21	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	22	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	23	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	24	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	25	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	26	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	27	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	28	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	29	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	30	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	31	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	32	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	33	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	34	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	35	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	36	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	37	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	38	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	39	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	40	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	41	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	42	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	43	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	45	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	46	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	47	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	48	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	49	0.27
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	50	0.27
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	11	0.27
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	12	0.27
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	30	0.27
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	35	0.27
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	41	0.27
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	48	0.27
(2,186)	1:13:A:CYS:HB2	1:13:A:CYS:H	40	0.27
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	15	0.27
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	39	0.27
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	12	0.27
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	23	0.27
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	30	0.27
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	2	0.27
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	4	0.27
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	16	0.27
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	25	0.27
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	20	0.27
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	8	0.27
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	37	0.27
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	39	0.27
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	40	0.27
(2,149)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	41	0.27
(2,149)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	41	0.27
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	3	0.27
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	5	0.27
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	19	0.27
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	20	0.27
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	31	0.27
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	36	0.27
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	40	0.27
(2,109)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	50	0.27
(2,102)	1:8:A:TYR:HA	1:11:A:GLU:HB2	15	0.27
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	6	0.27
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	6	0.27
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	6	0.27
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	11	0.27
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	11	0.27
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	49	0.27
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	49	0.27
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	49	0.27
(2,65)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	47	0.27
(2,65)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	47	0.27
(2,65)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	47	0.27
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	9	0.27
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	9	0.27
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	13	0.27
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	13	0.27
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	19	0.27
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	19	0.27
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	23	0.27
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	23	0.27
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	45	0.27
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	46	0.27
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	8	0.27
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	11	0.27
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	16	0.27
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	23	0.27
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	27	0.27
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	45	0.27
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	21	0.27
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	27	0.27
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	29	0.27
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	39	0.27
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	44	0.27
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	4	0.27
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	4	0.27
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	20	0.27
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	20	0.27
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	1	0.27
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	20	0.27
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	19	0.27
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	19	0.27
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	19	0.27
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	10	0.27
(1,943)	1:32:A:ARG:HA	1:32:A:ARG:HD3	18	0.27
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	20	0.27
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	4	0.27
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	25	0.27
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	8	0.27
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	11	0.27
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	16	0.27
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	23	0.27
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	27	0.27
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	45	0.27
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	5	0.27
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	19	0.27
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	41	0.27
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	35	0.27
(1,819)	1:16:A:ASN:HB3	1:16:A:ASN:H	32	0.27
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	26	0.27
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	21	0.27
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	27	0.27
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	29	0.27
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	39	0.27
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	44	0.27
(1,775)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	26	0.27
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	4	0.27
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	32	0.27
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	37	0.27
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	43	0.27
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	49	0.27
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	3	0.27
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	5	0.27
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	19	0.27
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	20	0.27
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	31	0.27
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	36	0.27
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	40	0.27
(1,742)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	41	0.27
(1,742)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	41	0.27
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	8	0.27
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	15	0.27
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	39	0.27
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	26	0.27
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	26	0.27
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	26	0.27
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	35	0.27
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	35	0.27
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	35	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	39	0.27
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	39	0.27
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	39	0.27
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	22	0.27
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	2	0.27
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	4	0.27
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	16	0.27
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	25	0.27
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	24	0.27
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	24	0.27
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	24	0.27
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	11	0.27
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	11	0.27
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	11	0.27
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	26	0.27
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	26	0.27
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	26	0.27
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	32	0.27
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	32	0.27
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	32	0.27
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	37	0.27
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	37	0.27
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	37	0.27
(1,659)	1:23:A:CYS:HA	1:23:A:CYS:HB3	33	0.27
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	11	0.27
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	12	0.27
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	30	0.27
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	35	0.27
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	41	0.27
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	48	0.27
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	15	0.27
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	12	0.27
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	23	0.27
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	30	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	3	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	4	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	5	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	6	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	7	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	8	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	9	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	11	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	12	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	13	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	14	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	15	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	16	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	17	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	18	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	19	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	20	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	21	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	22	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	23	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	24	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	25	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	26	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	27	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	28	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	31	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	33	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	34	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	35	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	36	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	37	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	40	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	41	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	42	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	43	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	45	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	47	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	48	0.27
(1,638)	1:19:A:PRO:HB2	1:19:A:PRO:HB3	49	0.27
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	12	0.27
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	44	0.27
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	44	0.27
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	6	0.27
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	24	0.27
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	37	0.27
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	39	0.27
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	40	0.27
(1,584)	1:13:A:CYS:HB2	1:13:A:CYS:H	40	0.27
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	6	0.27
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	6	0.27
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	11	0.27
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	11	0.27
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	11	0.27
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	49	0.27
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	49	0.27
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	49	0.27
(1,554)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	47	0.27
(1,554)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	47	0.27
(1,554)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	47	0.27
(1,544)	1:8:A:TYR:HA	1:11:A:GLU:HB2	15	0.27
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	45	0.27
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	46	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	1	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	2	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	3	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	4	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	5	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	6	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	7	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	8	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	9	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	11	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	12	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	13	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	14	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	15	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	16	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	17	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	18	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	19	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	20	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	21	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	22	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	23	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	24	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	25	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	26	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	27	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	28	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	29	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	30	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	31	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	32	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	33	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	34	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	35	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	36	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	37	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	38	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	39	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	40	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	41	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	42	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	43	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	45	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	46	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	47	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	48	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	49	0.27
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	50	0.27
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	31	0.27
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	29	0.27
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	35	0.27
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	24	0.27
(1,470)	1:9:A:CYS:HB2	1:9:A:CYS:HB3	50	0.27
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	28	0.27
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	40	0.27
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	41	0.27
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	48	0.27
(1,440)	1:31:A:GLU:HB2	1:30:A:LEU:HD22	42	0.27
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	12	0.27
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	11	0.27
(1,381)	1:26:A:MET:HG2	1:26:A:MET:HE3	43	0.27
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	21	0.27
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	6	0.27
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	36	0.27
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	37	0.27
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	27	0.27
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	32	0.27
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	21	0.27
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	36	0.27
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	44	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,242)	1:30:A:LEU:H	1:30:A:LEU:HB2	37	0.27
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	24	0.27
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	49	0.27
(1,232)	1:26:A:MET:H	1:26:A:MET:HE1	43	0.27
(1,230)	1:25:A:GLN:H	1:25:A:GLN:HG3	34	0.27
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	4	0.27
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	7	0.27
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	11	0.27
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	19	0.27
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG12	23	0.27
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	27	0.27
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG21	15	0.27
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG23	41	0.27
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG22	43	0.27
(1,180)	1:14:A:ASN:HA	1:17:A:LYS:HA	37	0.27
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG12	15	0.27
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG21	17	0.27
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG23	32	0.27
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG22	45	0.27
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	27	0.27
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	39	0.27
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	8	0.27
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	10	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	1	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	3	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	5	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	8	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	11	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	17	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	21	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	24	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	26	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	28	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	29	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	35	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	36	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	44	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	45	0.27
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	46	0.27
(1,159)	1:18:A:VAL:HB	1:19:A:PRO:HD3	40	0.27
(1,150)	1:8:A:TYR:HA	1:11:A:GLU:HB2	1	0.27
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	10	0.27
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	23	0.27
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	31	0.27
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	33	0.27
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	40	0.27
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	48	0.27
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	50	0.27
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	10	0.27
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	19	0.27
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	1	0.27
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	19	0.27
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	21	0.27
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	22	0.27
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	23	0.27
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	26	0.27
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	31	0.27
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	33	0.27
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	35	0.27
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	36	0.27
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	39	0.27
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	43	0.27
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	2	0.27
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	3	0.27
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	9	0.27
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	33	0.27
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	35	0.27
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	12	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	1	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	3	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	4	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	6	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	7	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	8	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	9	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	10	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	11	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	12	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	13	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	14	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	15	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	16	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	18	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	20	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	21	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	22	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	23	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	24	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	25	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	26	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	27	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	28	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	29	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	30	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	31	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	33	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	34	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	35	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	37	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	38	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	40	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	41	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	43	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	44	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	45	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	46	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	48	0.27
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	49	0.27
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	50	0.27
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	5	0.26
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	38	0.26
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	38	0.26
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	45	0.26
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	15	0.26
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	16	0.26
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	18	0.26
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	7	0.26
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	12	0.26
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	24	0.26
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	26	0.26
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	29	0.26
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	37	0.26
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	46	0.26
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	40	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	31	0.26
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	50	0.26
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	5	0.26
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	5	0.26
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	31	0.26
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	31	0.26
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	47	0.26
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	47	0.26
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	22	0.26
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	22	0.26
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	22	0.26
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	14	0.26
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	32	0.26
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	39	0.26
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	26	0.26
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	39	0.26
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	3	0.26
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	4	0.26
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	9	0.26
(2,800)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	2	0.26
(2,800)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	10	0.26
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	8	0.26
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	16	0.26
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	21	0.26
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	41	0.26
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	42	0.26
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	11	0.26
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	42	0.26
(2,785)	1:20:A:PHE:HA	1:23:A:CYS:HB2	38	0.26
(2,779)	1:5:A:GLN:HA	1:8:A:TYR:HD1	15	0.26
(2,779)	1:5:A:GLN:HA	1:8:A:TYR:HD2	15	0.26
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	6	0.26
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	16	0.26
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	24	0.26
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	38	0.26
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	39	0.26
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	12	0.26
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	12	0.26
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	12	0.26
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE1	47	0.26
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE2	47	0.26
(2,720)	1:26:A:MET:HG2	1:26:A:MET:HE3	47	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	27	0.26
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	27	0.26
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	44	0.26
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	30	0.26
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	20	0.26
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	38	0.26
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	48	0.26
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	42	0.26
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	42	0.26
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	42	0.26
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	34	0.26
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	39	0.26
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	39	0.26
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	39	0.26
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	40	0.26
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	40	0.26
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	40	0.26
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	4	0.26
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	16	0.26
(2,656)	1:12:A:GLN:HG3	1:12:A:GLN:HB3	49	0.26
(2,654)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	18	0.26
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	12	0.26
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	12	0.26
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	34	0.26
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	34	0.26
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	36	0.26
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	5	0.26
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	15	0.26
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	16	0.26
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	47	0.26
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	30	0.26
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	41	0.26
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	18	0.26
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	7	0.26
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	7	0.26
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	47	0.26
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	47	0.26
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	8	0.26
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	8	0.26
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	8	0.26
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	30	0.26
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	30	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	30	0.26
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	3	0.26
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	25	0.26
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	40	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	5	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	5	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	6	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	6	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	9	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	9	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	32	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	32	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	38	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	38	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	40	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	40	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	49	0.26
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	49	0.26
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	10	0.26
(2,536)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	44	0.26
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	2	0.26
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	2	0.26
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	33	0.26
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	33	0.26
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	41	0.26
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	18	0.26
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	27	0.26
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	27	0.26
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	2	0.26
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	2	0.26
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	45	0.26
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	11	0.26
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	42	0.26
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	33	0.26
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	33	0.26
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	15	0.26
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	16	0.26
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	18	0.26
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	36	0.26
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	41	0.26
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	30	0.26
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	12	0.26
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	12	0.26
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE1	47	0.26
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE2	47	0.26
(2,366)	1:26:A:MET:HG2	1:26:A:MET:HE3	47	0.26
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	42	0.26
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	42	0.26
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	42	0.26
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	31	0.26
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	50	0.26
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	14	0.26
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	32	0.26
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	26	0.26
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	39	0.26
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	8	0.26
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	16	0.26
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	21	0.26
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	41	0.26
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	42	0.26
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	30	0.26
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	41	0.26
(2,287)	1:20:A:PHE:HA	1:23:A:CYS:HB2	38	0.26
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	5	0.26
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	15	0.26
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	16	0.26
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	47	0.26
(2,257)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	18	0.26
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	39	0.26
(2,221)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	2	0.26
(2,221)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	10	0.26
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	10	0.26
(2,215)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	44	0.26
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	4	0.26
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	16	0.26
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	20	0.26
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	38	0.26
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	48	0.26
(2,161)	1:12:A:GLN:HG3	1:12:A:GLN:HB3	49	0.26
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	5	0.26
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	18	0.26
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	6	0.26
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	24	0.26
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	38	0.26
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	39	0.26
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	38	0.26
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	38	0.26
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	18	0.26
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	8	0.26
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	8	0.26
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	8	0.26
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	30	0.26
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	30	0.26
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	30	0.26
(2,49)	1:5:A:GLN:HA	1:8:A:TYR:HD1	15	0.26
(2,49)	1:5:A:GLN:HA	1:8:A:TYR:HD2	15	0.26
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	44	0.26
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	12	0.26
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	12	0.26
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	34	0.26
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	34	0.26
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	40	0.26
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	5	0.26
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	5	0.26
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	31	0.26
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	31	0.26
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	47	0.26
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	47	0.26
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	22	0.26
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	22	0.26
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	22	0.26
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	7	0.26
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	7	0.26
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	47	0.26
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	47	0.26
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	3	0.26
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	25	0.26
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	40	0.26
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	7	0.26
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	12	0.26
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	24	0.26
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	26	0.26
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	29	0.26
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	37	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	46	0.26
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	3	0.26
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	4	0.26
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	9	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	5	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	5	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	6	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	6	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	9	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	9	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	32	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	32	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	38	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	38	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	40	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	40	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	49	0.26
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	49	0.26
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	11	0.26
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	23	0.26
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	30	0.26
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	31	0.26
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	33	0.26
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	44	0.26
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	5	0.26
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	45	0.26
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	15	0.26
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	16	0.26
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	18	0.26
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	7	0.26
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	12	0.26
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	24	0.26
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	26	0.26
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	29	0.26
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	37	0.26
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	46	0.26
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	40	0.26
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	31	0.26
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	50	0.26
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	22	0.26
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	22	0.26
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	22	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	14	0.26
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	32	0.26
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	47	0.26
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	39	0.26
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	26	0.26
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	39	0.26
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	3	0.26
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	4	0.26
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	9	0.26
(1,775)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	2	0.26
(1,775)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	10	0.26
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	8	0.26
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	16	0.26
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	21	0.26
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	41	0.26
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	42	0.26
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	11	0.26
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	42	0.26
(1,760)	1:20:A:PHE:HA	1:23:A:CYS:HB2	38	0.26
(1,754)	1:5:A:GLN:HA	1:8:A:TYR:HD1	15	0.26
(1,754)	1:5:A:GLN:HA	1:8:A:TYR:HD2	15	0.26
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	6	0.26
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	16	0.26
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	24	0.26
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	38	0.26
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	39	0.26
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	12	0.26
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	12	0.26
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	12	0.26
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE1	47	0.26
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE2	47	0.26
(1,696)	1:26:A:MET:HG2	1:26:A:MET:HE3	47	0.26
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	44	0.26
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	30	0.26
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	20	0.26
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	38	0.26
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	48	0.26
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	42	0.26
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	42	0.26
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	42	0.26
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	4	0.26
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:12:A:GLN:HG3	1:12:A:GLN:HB3	49	0.26
(1,635)	1:19:A:PRO:HB2	1:19:A:PRO:HD2	18	0.26
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	36	0.26
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	5	0.26
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	15	0.26
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	16	0.26
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	47	0.26
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	30	0.26
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	41	0.26
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	18	0.26
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	8	0.26
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	8	0.26
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	8	0.26
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	30	0.26
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	30	0.26
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	30	0.26
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	3	0.26
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	25	0.26
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	40	0.26
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	10	0.26
(1,526)	1:16:A:ASN:HB2	1:16:A:ASN:HB3	44	0.26
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	41	0.26
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	18	0.26
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	5	0.26
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	32	0.26
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	39	0.26
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	10	0.26
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	12	0.26
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	18	0.26
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	33	0.26
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	37	0.26
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	41	0.26
(1,283)	1:11:A:GLU:H	1:11:A:GLU:HB2	15	0.26
(1,283)	1:11:A:GLU:H	1:11:A:GLU:HB2	25	0.26
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	7	0.26
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	21	0.26
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	13	0.26
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	28	0.26
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	31	0.26
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	36	0.26
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	40	0.26
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	34	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG12	1	0.26
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	12	0.26
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG21	4	0.26
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG22	11	0.26
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG11	27	0.26
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG22	38	0.26
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG21	41	0.26
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	14	0.26
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	48	0.26
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	11	0.26
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	14	0.26
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	19	0.26
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	35	0.26
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	14	0.26
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	22	0.26
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	25	0.26
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	27	0.26
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	31	0.26
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	37	0.26
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	50	0.26
(1,150)	1:8:A:TYR:HA	1:11:A:GLU:HB2	11	0.26
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	1	0.26
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	21	0.26
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	38	0.26
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	49	0.26
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	5	0.26
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	41	0.26
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	42	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	2	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	6	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	7	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	8	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	11	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	13	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	16	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	17	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	20	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	32	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	34	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	45	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	46	0.26
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	49	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	50	0.26
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	18	0.26
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	24	0.26
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	27	0.26
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	34	0.26
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	37	0.26
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	38	0.26
(1,83)	1:24:A:TYR:HE2	1:28:A:SER:HB2	10	0.26
(1,83)	1:24:A:TYR:HE2	1:28:A:SER:HB2	20	0.26
(1,81)	1:24:A:TYR:HD1	1:28:A:SER:HB2	42	0.26
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	15	0.26
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	2	0.26
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	5	0.26
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	19	0.26
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	32	0.26
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	36	0.26
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	39	0.26
(1,37)	1:8:A:TYR:HD1	1:8:A:TYR:HE1	42	0.26
(1,37)	1:8:A:TYR:HD2	1:8:A:TYR:HE2	47	0.26
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	8	0.25
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	47	0.25
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	29	0.25
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	48	0.25
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	26	0.25
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	35	0.25
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	41	0.25
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	2	0.25
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	19	0.25
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	20	0.25
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	21	0.25
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	30	0.25
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	45	0.25
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	17	0.25
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	17	0.25
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	25	0.25
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	25	0.25
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	27	0.25
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	27	0.25
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	48	0.25
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	48	0.25
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	39	0.25
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	39	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	39	0.25
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	47	0.25
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	1	0.25
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	14	0.25
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	29	0.25
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	34	0.25
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	33	0.25
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	47	0.25
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	23	0.25
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	23	0.25
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	23	0.25
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	20	0.25
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	30	0.25
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	37	0.25
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	6	0.25
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	13	0.25
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	15	0.25
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	27	0.25
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	36	0.25
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	10	0.25
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	22	0.25
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	23	0.25
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	29	0.25
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	7	0.25
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	19	0.25
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	19	0.25
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	39	0.25
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	39	0.25
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	42	0.25
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	42	0.25
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	1	0.25
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	17	0.25
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	40	0.25
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	40	0.25
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	3	0.25
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	11	0.25
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	19	0.25
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	19	0.25
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	19	0.25
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	34	0.25
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	34	0.25
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	34	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	40	0.25
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	5	0.25
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	5	0.25
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	5	0.25
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	6	0.25
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	17	0.25
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	21	0.25
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	34	0.25
(2,668)	1:15:A:VAL:HG21	1:12:A:GLN:HE22	12	0.25
(2,668)	1:15:A:VAL:HG22	1:12:A:GLN:HE22	12	0.25
(2,668)	1:15:A:VAL:HG23	1:12:A:GLN:HE22	12	0.25
(2,668)	1:15:A:VAL:HG21	1:12:A:GLN:HE22	16	0.25
(2,668)	1:15:A:VAL:HG22	1:12:A:GLN:HE22	16	0.25
(2,668)	1:15:A:VAL:HG23	1:12:A:GLN:HE22	16	0.25
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	7	0.25
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	21	0.25
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	19	0.25
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	24	0.25
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	29	0.25
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	35	0.25
(2,655)	1:14:A:ASN:HB2	1:14:A:ASN:H	38	0.25
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	21	0.25
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	21	0.25
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	32	0.25
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	32	0.25
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	37	0.25
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	37	0.25
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	41	0.25
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	41	0.25
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	33	0.25
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	40	0.25
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	30	0.25
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	7	0.25
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	13	0.25
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	21	0.25
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	34	0.25
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	49	0.25
(2,631)	1:30:A:LEU:HB3	1:30:A:LEU:H	37	0.25
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	21	0.25
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	29	0.25
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	12	0.25
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	21	0.25
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	41	0.25
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	41	0.25
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	2	0.25
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	2	0.25
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	2	0.25
(2,570)	1:13:A:CYS:HB2	1:10:A:TYR:HA	18	0.25
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	33	0.25
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	38	0.25
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	39	0.25
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	14	0.25
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	24	0.25
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	1	0.25
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	1	0.25
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	14	0.25
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	14	0.25
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	30	0.25
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	30	0.25
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	43	0.25
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	43	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	1	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	2	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	3	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	4	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	5	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	6	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	7	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	8	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	9	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	10	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	11	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	12	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	13	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	14	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	15	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	16	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	17	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	18	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	19	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	20	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	21	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	22	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	23	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	24	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	25	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	26	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	27	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	28	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	29	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	30	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	31	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	32	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	33	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	34	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	35	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	36	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	37	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	38	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	39	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	40	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	41	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	42	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	43	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	44	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	45	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	46	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	47	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	48	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	49	0.25
(2,540)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	50	0.25
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	1	0.25
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	24	0.25
(2,528)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	17	0.25
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	14	0.25
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	15	0.25
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	48	0.25
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	49	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	1	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	2	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	3	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	4	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	5	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	6	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	8	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	9	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	10	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	11	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	12	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	13	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	14	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	15	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	16	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	17	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	18	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	19	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	20	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	21	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	22	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	23	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	24	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	25	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	26	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	27	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	28	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	29	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	30	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	31	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	32	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	33	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	34	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	35	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	36	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	37	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	38	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	39	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	40	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	41	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	42	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	43	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	44	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	45	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	46	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	47	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	48	0.25
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	49	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,525)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	50	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	1	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	2	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	3	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	4	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	5	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	6	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	7	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	8	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	9	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	10	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	11	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	12	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	13	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	14	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	15	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	16	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	17	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	18	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	19	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	20	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	21	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	22	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	23	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	24	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	25	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	26	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	27	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	28	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	29	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	30	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	31	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	32	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	33	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	34	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	35	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	36	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	37	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	38	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	39	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	40	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	41	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	42	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	43	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	44	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	45	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	46	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	47	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	48	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	49	0.25
(2,512)	1:28:A:SER:HB2	1:28:A:SER:HB3	50	0.25
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	19	0.25
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	19	0.25
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	39	0.25
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	39	0.25
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	42	0.25
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	42	0.25
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	29	0.25
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	48	0.25
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	1	0.25
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	24	0.25
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	26	0.25
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	35	0.25
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	41	0.25
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	33	0.25
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	40	0.25
(2,442)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	17	0.25
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	14	0.25
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	15	0.25
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	48	0.25
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	49	0.25
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	19	0.25
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	19	0.25
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	19	0.25
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	30	0.25
(2,428)	1:30:A:LEU:HB3	1:30:A:LEU:H	37	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	1	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	2	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	3	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	4	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	5	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	6	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	7	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	9	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	10	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	11	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	12	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	13	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	14	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	15	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	16	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	17	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	18	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	19	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	20	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	21	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	22	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	23	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	24	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	25	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	26	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	27	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	28	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	29	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	30	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	31	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	32	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	33	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	34	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	35	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	36	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	37	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	38	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	39	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	40	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	41	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	42	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	43	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	44	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	45	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	46	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	47	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	48	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	49	0.25
(2,423)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	50	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	1	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	2	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	3	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	4	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	5	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	6	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	7	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	8	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	9	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	10	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	11	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	12	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	13	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	14	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	15	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	16	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	17	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	18	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	19	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	20	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	21	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	22	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	23	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	24	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	25	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	26	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	27	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	28	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	29	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	30	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	31	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	32	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	33	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	34	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	35	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	36	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	37	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	38	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	39	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	40	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	41	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	42	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	43	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	44	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	45	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	46	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	47	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	48	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	49	0.25
(2,387)	1:28:A:SER:HB2	1:28:A:SER:HB3	50	0.25
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	34	0.25
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	34	0.25
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	34	0.25
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	20	0.25
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	21	0.25
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	30	0.25
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	45	0.25
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	14	0.25
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	29	0.25
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	1	0.25
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	33	0.25
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	47	0.25
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	6	0.25
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	13	0.25
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	15	0.25
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	27	0.25
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	36	0.25
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	47	0.25
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	21	0.25
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	29	0.25
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	7	0.25
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	13	0.25
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	21	0.25
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	34	0.25
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	49	0.25
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	34	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	1	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	2	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	3	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	4	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	5	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	6	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	7	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	9	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	10	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	11	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	12	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	13	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	14	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	15	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	16	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	17	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	18	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	19	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	20	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	21	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	22	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	23	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	24	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	25	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	26	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	27	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	28	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	29	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	30	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	31	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	32	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	33	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	34	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	35	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	36	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	37	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	38	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	39	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	40	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	41	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	42	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	43	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	44	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	45	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	46	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	47	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	48	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	49	0.25
(2,229)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	50	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	6	0.25
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	17	0.25
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	21	0.25
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	34	0.25
(2,198)	1:14:A:ASN:HB2	1:14:A:ASN:H	38	0.25
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	7	0.25
(2,181)	1:13:A:CYS:HB2	1:10:A:TYR:HA	18	0.25
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	40	0.25
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	7	0.25
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	21	0.25
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	19	0.25
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	24	0.25
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	29	0.25
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	35	0.25
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	3	0.25
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	11	0.25
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	8	0.25
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	47	0.25
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	21	0.25
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	12	0.25
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	15	0.25
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	10	0.25
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	22	0.25
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	23	0.25
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	29	0.25
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	23	0.25
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	23	0.25
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	23	0.25
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	33	0.25
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	38	0.25
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	39	0.25
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	1	0.25
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	17	0.25
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	21	0.25
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	21	0.25
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	32	0.25
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	32	0.25
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	37	0.25
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	37	0.25
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	41	0.25
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	41	0.25
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	17	0.25
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	25	0.25
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	25	0.25
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	27	0.25
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	27	0.25
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	48	0.25
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	48	0.25
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	40	0.25
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	40	0.25
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	39	0.25
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	39	0.25
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	39	0.25
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	41	0.25
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	41	0.25
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	14	0.25
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	24	0.25
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	2	0.25
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	19	0.25
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	20	0.25
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	30	0.25
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	37	0.25
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	1	0.25
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	1	0.25
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	14	0.25
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	14	0.25
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	30	0.25
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	30	0.25
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	43	0.25
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	43	0.25
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	12	0.25
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	1	0.25
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	1	0.25
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	1	0.25
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	6	0.25
(1,957)	1:31:A:GLU:HB2	1:30:A:LEU:HD21	49	0.25
(1,955)	1:18:A:VAL:HG23	1:22:A:GLN:HB3	48	0.25
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	8	0.25
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	47	0.25
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	29	0.25
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	48	0.25
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	26	0.25
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	35	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	41	0.25
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	2	0.25
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	19	0.25
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	20	0.25
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	21	0.25
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	30	0.25
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	45	0.25
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	39	0.25
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	39	0.25
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	39	0.25
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	47	0.25
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	1	0.25
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	14	0.25
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	29	0.25
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	45	0.25
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	34	0.25
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	33	0.25
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	47	0.25
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	23	0.25
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	23	0.25
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	23	0.25
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	20	0.25
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	30	0.25
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	37	0.25
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	6	0.25
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	13	0.25
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	15	0.25
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	27	0.25
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	36	0.25
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	10	0.25
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	22	0.25
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	23	0.25
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	29	0.25
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	7	0.25
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	1	0.25
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	17	0.25
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	3	0.25
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	11	0.25
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	19	0.25
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	19	0.25
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	19	0.25
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	34	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	34	0.25
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	34	0.25
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	40	0.25
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	6	0.25
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	17	0.25
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	21	0.25
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	34	0.25
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	7	0.25
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	21	0.25
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	19	0.25
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	24	0.25
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	29	0.25
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	35	0.25
(1,636)	1:14:A:ASN:HB2	1:14:A:ASN:H	38	0.25
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	33	0.25
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	40	0.25
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	30	0.25
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	7	0.25
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	13	0.25
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	21	0.25
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	34	0.25
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	49	0.25
(1,612)	1:30:A:LEU:HB3	1:30:A:LEU:H	37	0.25
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	21	0.25
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	29	0.25
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	12	0.25
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	15	0.25
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	21	0.25
(1,559)	1:13:A:CYS:HB2	1:10:A:TYR:HA	18	0.25
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	33	0.25
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	38	0.25
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	39	0.25
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	14	0.25
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	24	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	1	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	2	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	3	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	4	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	5	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	6	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	7	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	9	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	10	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	11	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	12	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	13	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	14	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	15	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	16	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	17	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	18	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	19	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	20	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	21	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	22	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	23	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	24	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	25	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	26	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	27	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	28	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	29	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	30	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	31	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	32	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	33	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	34	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	35	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	36	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	37	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	38	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	39	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	40	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	41	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	42	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	43	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	44	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	45	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	46	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	47	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	48	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	49	0.25
(1,530)	1:17:A:LYS:HB2	1:17:A:LYS:HB3	50	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	1	0.25
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	24	0.25
(1,518)	1:31:A:GLU:HG3	1:31:A:GLU:HB3	17	0.25
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	14	0.25
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	15	0.25
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	48	0.25
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	49	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	1	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	2	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	3	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	4	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	5	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	6	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	7	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	8	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	9	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	10	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	11	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	12	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	13	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	14	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	15	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	16	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	17	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	18	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	19	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	20	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	21	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	22	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	23	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	24	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	25	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	26	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	27	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	28	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	29	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	30	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	31	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	32	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	33	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	34	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	35	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	36	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	37	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	38	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	39	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	40	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	41	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	42	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	43	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	44	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	45	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	46	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	47	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	48	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	49	0.25
(1,515)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	50	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	1	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	2	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	3	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	4	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	5	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	6	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	7	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	8	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	9	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	10	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	11	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	12	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	13	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	14	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	15	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	16	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	17	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	18	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	19	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	20	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	21	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	22	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	23	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	24	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	25	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	26	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	27	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	28	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	29	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	30	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	31	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	32	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	33	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	34	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	35	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	36	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	37	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	38	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	39	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	40	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	41	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	42	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	43	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	44	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	45	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	46	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	47	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	48	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	49	0.25
(1,502)	1:28:A:SER:HB2	1:28:A:SER:HB3	50	0.25
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	17	0.25
(1,439)	1:6:A:ALA:HB2	1:31:A:GLU:HB3	35	0.25
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	23	0.25
(1,381)	1:26:A:MET:HG2	1:26:A:MET:HE2	20	0.25
(1,381)	1:26:A:MET:HG2	1:26:A:MET:HE2	44	0.25
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	1	0.25
(1,283)	1:11:A:GLU:H	1:11:A:GLU:HB2	9	0.25
(1,283)	1:11:A:GLU:H	1:11:A:GLU:HB2	10	0.25
(1,283)	1:11:A:GLU:H	1:11:A:GLU:HB2	41	0.25
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	46	0.25
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	23	0.25
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	23	0.25
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	15	0.25
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	23	0.25
(1,230)	1:25:A:GLN:H	1:25:A:GLN:HG3	30	0.25
(1,230)	1:25:A:GLN:H	1:25:A:GLN:HG3	44	0.25
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	9	0.25
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	40	0.25
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG12	26	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	26	0.25
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	32	0.25
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	3	0.25
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	5	0.25
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	12	0.25
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	37	0.25
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	46	0.25
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	42	0.25
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	49	0.25
(1,169)	1:3:A:PRO:HG2	1:3:A:PRO:HB3	6	0.25
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB2	27	0.25
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	37	0.25
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	48	0.25
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	49	0.25
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG13	17	0.25
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	26	0.25
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG13	48	0.25
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	7	0.25
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	24	0.25
(1,132)	1:17:A:LYS:HA	1:17:A:LYS:HB2	13	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	3	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	9	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	10	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	12	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	14	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	18	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	25	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	27	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	28	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	29	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	30	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	40	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	41	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	42	0.25
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	48	0.25
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	7	0.25
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	36	0.25
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	44	0.25
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	45	0.25
(1,81)	1:24:A:TYR:HD1	1:28:A:SER:HB2	2	0.25
(1,81)	1:24:A:TYR:HD1	1:28:A:SER:HB2	40	0.25
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	50	0.25
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	41	0.24
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	49	0.24
(2,932)	1:11:A:GLU:HB3	1:12:A:GLN:H	40	0.24
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	3	0.24
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	43	0.24
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	13	0.24
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	21	0.24
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	28	0.24
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	35	0.24
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	36	0.24
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	42	0.24
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	13	0.24
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	28	0.24
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	12	0.24
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	12	0.24
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	18	0.24
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	18	0.24
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	39	0.24
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	39	0.24
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	49	0.24
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	49	0.24
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	10	0.24
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	35	0.24
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	22	0.24
(2,838)	1:19:A:PRO:HD2	1:18:A:VAL:HB	28	0.24
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	38	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	1	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	2	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	3	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	4	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	5	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	6	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	7	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	8	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	9	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	10	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	11	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	12	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	13	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	14	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	16	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	17	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	18	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	19	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	20	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	21	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	22	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	23	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	24	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	25	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	26	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	27	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	28	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	29	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	30	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	31	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	32	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	33	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	34	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	35	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	36	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	37	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	38	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	39	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	40	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	41	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	42	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	43	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	44	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	45	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	46	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	47	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	48	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	49	0.24
(2,834)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	50	0.24
(2,831)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	37	0.24
(2,831)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	37	0.24
(2,831)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	37	0.24
(2,799)	1:5:A:GLN:HA	1:8:A:TYR:HB2	11	0.24
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	2	0.24
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	10	0.24
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	29	0.24
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	34	0.24
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	4	0.24
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	26	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	1	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	2	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	3	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	4	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	6	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	8	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	9	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	10	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	11	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	12	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	14	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	15	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	16	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	17	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	19	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	20	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	21	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	22	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	23	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	24	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	25	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	26	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	27	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	29	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	30	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	33	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	34	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	35	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	36	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	38	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	39	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	40	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	41	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	42	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	43	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	44	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	45	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	46	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	48	0.24
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	49	0.24
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	12	0.24
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	17	0.24
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	18	0.24
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	26	0.24
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	48	0.24
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	49	0.24
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	42	0.24
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	42	0.24
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	42	0.24
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	1	0.24
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	33	0.24
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	33	0.24
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	44	0.24
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	44	0.24
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	9	0.24
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	9	0.24
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	9	0.24
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	9	0.24
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	44	0.24
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	44	0.24
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	44	0.24
(2,682)	1:23:A:CYS:HA	1:23:A:CYS:HB3	38	0.24
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	30	0.24
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	31	0.24
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	32	0.24
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	30	0.24
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	43	0.24
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	38	0.24
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	29	0.24
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	8	0.24
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	22	0.24
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	50	0.24
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	10	0.24
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	10	0.24
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	11	0.24
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	11	0.24
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	24	0.24
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	24	0.24
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	36	0.24
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	36	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	46	0.24
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	46	0.24
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	11	0.24
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	28	0.24
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	32	0.24
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	36	0.24
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	39	0.24
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	45	0.24
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	50	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	4	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	4	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	4	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	5	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	5	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	5	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	9	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	9	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	9	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	27	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	27	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	27	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	32	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	32	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	32	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	35	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	35	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	35	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	39	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	39	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	39	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	42	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	42	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	42	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	43	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	43	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	43	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	49	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	49	0.24
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	49	0.24
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	3	0.24
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	25	0.24
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	28	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	30	0.24
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	41	0.24
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	46	0.24
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	5	0.24
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	43	0.24
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	43	0.24
(2,595)	1:2:A:SER:HA	1:2:A:SER:HB3	24	0.24
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	1	0.24
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	5	0.24
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	8	0.24
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	17	0.24
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	25	0.24
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	29	0.24
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	37	0.24
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	46	0.24
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	38	0.24
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	38	0.24
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	38	0.24
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	5	0.24
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	5	0.24
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	5	0.24
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	47	0.24
(2,554)	1:8:A:TYR:HA	1:11:A:GLU:HB2	10	0.24
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	42	0.24
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	17	0.24
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	17	0.24
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	18	0.24
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	18	0.24
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	31	0.24
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	31	0.24
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	41	0.24
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	41	0.24
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	3	0.24
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	3	0.24
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	18	0.24
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	18	0.24
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	19	0.24
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	19	0.24
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	15	0.24
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	7	0.24
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	16	0.24
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	22	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	23	0.24
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	30	0.24
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	30	0.24
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	30	0.24
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	30	0.24
(2,501)	1:24:A:TYR:HD1	1:28:A:SER:HB2	30	0.24
(2,501)	1:24:A:TYR:HD2	1:28:A:SER:HB2	30	0.24
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	33	0.24
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	33	0.24
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	44	0.24
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	44	0.24
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	4	0.24
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	26	0.24
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	3	0.24
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	3	0.24
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	18	0.24
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	18	0.24
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	19	0.24
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	19	0.24
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	15	0.24
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	3	0.24
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	43	0.24
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	7	0.24
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	16	0.24
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	22	0.24
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	23	0.24
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	30	0.24
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	42	0.24
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	42	0.24
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	42	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	4	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	4	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	4	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	5	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	5	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	5	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	9	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	9	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	9	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	27	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	27	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	27	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	32	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	32	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	32	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	35	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	35	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	35	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	39	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	39	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	39	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	42	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	42	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	42	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	43	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	43	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	43	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	49	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	49	0.24
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	49	0.24
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	30	0.24
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	30	0.24
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	30	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	1	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	2	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	3	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	4	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	5	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	6	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	7	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	8	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	9	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	10	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	11	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	12	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	13	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	14	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	15	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	16	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	17	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	18	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	19	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	20	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	21	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	22	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	23	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	24	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	25	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	26	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	27	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	28	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	29	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	30	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	31	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	32	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	33	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	34	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	35	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	36	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	37	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	38	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	39	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	40	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	41	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	42	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	43	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	44	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	45	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	46	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	47	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	48	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	49	0.24
(2,413)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	50	0.24
(2,349)	1:24:A:TYR:HD1	1:28:A:SER:HB2	30	0.24
(2,349)	1:24:A:TYR:HD2	1:28:A:SER:HB2	30	0.24
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	38	0.24
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	9	0.24
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	9	0.24
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	9	0.24
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	44	0.24
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	44	0.24
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	44	0.24
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	13	0.24
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	28	0.24
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	22	0.24
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	35	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	38	0.24
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	2	0.24
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	10	0.24
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	17	0.24
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	29	0.24
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	34	0.24
(2,317)	1:23:A:CYS:HA	1:23:A:CYS:HB3	38	0.24
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	10	0.24
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	3	0.24
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	11	0.24
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	28	0.24
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	32	0.24
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	36	0.24
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	39	0.24
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	45	0.24
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	50	0.24
(2,251)	1:19:A:PRO:HD2	1:18:A:VAL:HB	28	0.24
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	43	0.24
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	1	0.24
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	30	0.24
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	31	0.24
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	32	0.24
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	29	0.24
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	8	0.24
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	22	0.24
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	50	0.24
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	9	0.24
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	41	0.24
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	49	0.24
(2,159)	1:11:A:GLU:HB3	1:12:A:GLN:H	40	0.24
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	5	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	1	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	2	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	3	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	4	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	6	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	8	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	9	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	10	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	11	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	12	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	15	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	16	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	17	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	19	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	20	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	21	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	22	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	23	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	24	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	25	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	26	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	27	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	29	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	30	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	33	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	34	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	35	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	36	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	38	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	39	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	40	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	41	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	42	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	43	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	44	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	45	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	46	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	48	0.24
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	49	0.24
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	25	0.24
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	28	0.24
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	30	0.24
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	41	0.24
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	46	0.24
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	12	0.24
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	17	0.24
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	18	0.24
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	26	0.24
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	48	0.24
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	49	0.24
(2,102)	1:8:A:TYR:HA	1:11:A:GLU:HB2	10	0.24
(2,69)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	37	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,69)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	37	0.24
(2,69)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	37	0.24
(2,50)	1:5:A:GLN:HA	1:8:A:TYR:HB2	11	0.24
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	47	0.24
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	10	0.24
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	10	0.24
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	11	0.24
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	11	0.24
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	24	0.24
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	24	0.24
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	36	0.24
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	36	0.24
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	46	0.24
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	46	0.24
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	12	0.24
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	12	0.24
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	18	0.24
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	18	0.24
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	39	0.24
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	39	0.24
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	49	0.24
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	49	0.24
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	43	0.24
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	43	0.24
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	1	0.24
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	5	0.24
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	8	0.24
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	17	0.24
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	25	0.24
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	29	0.24
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	37	0.24
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	46	0.24
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	42	0.24
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	13	0.24
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	21	0.24
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	28	0.24
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	35	0.24
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	36	0.24
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	42	0.24
(2,2)	1:2:A:SER:HA	1:2:A:SER:HB3	24	0.24
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	17	0.24
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	18	0.24
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	18	0.24
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	31	0.24
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	31	0.24
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	41	0.24
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	41	0.24
(1,1039)	1:7:A:LYS:HB3	1:7:A:LYS:HD3	16	0.24
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	29	0.24
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	7	0.24
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	7	0.24
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	7	0.24
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	11	0.24
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	26	0.24
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	43	0.24
(1,967)	1:15:A:VAL:H	1:14:A:ASN:HB2	19	0.24
(1,956)	1:22:A:GLN:HA	1:25:A:GLN:HB3	40	0.24
(1,955)	1:18:A:VAL:HG21	1:22:A:GLN:HB3	6	0.24
(1,955)	1:18:A:VAL:HG22	1:22:A:GLN:HB3	17	0.24
(1,955)	1:18:A:VAL:HG23	1:22:A:GLN:HB3	46	0.24
(1,955)	1:18:A:VAL:HG21	1:22:A:GLN:HB3	49	0.24
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	41	0.24
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	49	0.24
(1,906)	1:11:A:GLU:HB3	1:12:A:GLN:H	40	0.24
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	3	0.24
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	43	0.24
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	13	0.24
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	21	0.24
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	28	0.24
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	35	0.24
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	36	0.24
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	42	0.24
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	13	0.24
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	28	0.24
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	10	0.24
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	35	0.24
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	22	0.24
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	2	0.24
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	9	0.24
(1,812)	1:19:A:PRO:HD2	1:18:A:VAL:HB	28	0.24
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	38	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	1	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	3	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	4	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	5	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	6	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	7	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	8	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	9	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	10	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	11	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	12	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	13	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	14	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	15	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	16	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	17	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	18	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	19	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	20	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	21	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	22	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	23	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	24	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	25	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	26	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	27	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	28	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	29	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	30	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	31	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	32	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	33	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	34	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	35	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	36	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	37	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	38	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	39	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	40	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	41	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	42	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	43	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	44	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	45	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	46	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	47	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	48	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	49	0.24
(1,808)	1:29:A:PRO:HB2	1:29:A:PRO:HB3	50	0.24
(1,805)	1:6:A:ALA:HB1	1:31:A:GLU:HB2	37	0.24
(1,805)	1:6:A:ALA:HB2	1:31:A:GLU:HB2	37	0.24
(1,805)	1:6:A:ALA:HB3	1:31:A:GLU:HB2	37	0.24
(1,774)	1:5:A:GLN:HA	1:8:A:TYR:HB2	11	0.24
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	2	0.24
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	10	0.24
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	17	0.24
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	29	0.24
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	34	0.24
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	4	0.24
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	26	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	1	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	2	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	3	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	4	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	6	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	8	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	9	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	10	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	11	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	12	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	14	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	15	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	16	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	17	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	19	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	20	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	21	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	22	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	23	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	24	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	25	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	26	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	27	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	29	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	30	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	33	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	34	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	35	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	36	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	38	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	39	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	40	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	41	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	42	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	43	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	44	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	45	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	46	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	48	0.24
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	49	0.24
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	12	0.24
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	17	0.24
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	18	0.24
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	26	0.24
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	48	0.24
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	49	0.24
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	42	0.24
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	42	0.24
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	42	0.24
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	1	0.24
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	9	0.24
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	9	0.24
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	9	0.24
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	9	0.24
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	44	0.24
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	44	0.24
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	44	0.24
(1,659)	1:23:A:CYS:HA	1:23:A:CYS:HB3	38	0.24
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	30	0.24
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	31	0.24
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	32	0.24
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	43	0.24
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	38	0.24
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	29	0.24
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	8	0.24
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	22	0.24
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	50	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	11	0.24
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	28	0.24
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	32	0.24
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	36	0.24
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	39	0.24
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	45	0.24
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	50	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	4	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	4	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	4	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	5	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	5	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	5	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	9	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	9	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	9	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	27	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	27	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	27	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	32	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	32	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	32	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	35	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	35	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	35	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	39	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	39	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	39	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	42	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	42	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	42	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	43	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	43	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	43	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	49	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	49	0.24
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	49	0.24
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	3	0.24
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	25	0.24
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	28	0.24
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	30	0.24
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	41	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	46	0.24
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	5	0.24
(1,578)	1:2:A:SER:HA	1:2:A:SER:HB3	24	0.24
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	1	0.24
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	5	0.24
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	8	0.24
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	17	0.24
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	25	0.24
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	29	0.24
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	37	0.24
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	46	0.24
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	47	0.24
(1,544)	1:8:A:TYR:HA	1:11:A:GLU:HB2	10	0.24
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	42	0.24
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	15	0.24
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	7	0.24
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	16	0.24
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	22	0.24
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	23	0.24
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	30	0.24
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	30	0.24
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	30	0.24
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	30	0.24
(1,491)	1:24:A:TYR:HD1	1:28:A:SER:HB2	30	0.24
(1,491)	1:24:A:TYR:HD2	1:28:A:SER:HB2	30	0.24
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	7	0.24
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	16	0.24
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	21	0.24
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	37	0.24
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	38	0.24
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	42	0.24
(1,439)	1:6:A:ALA:HB2	1:31:A:GLU:HB3	48	0.24
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	34	0.24
(1,423)	1:8:A:TYR:H	1:8:A:TYR:HD1	8	0.24
(1,381)	1:26:A:MET:HG2	1:26:A:MET:HE2	8	0.24
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	40	0.24
(1,283)	1:11:A:GLU:H	1:11:A:GLU:HB2	13	0.24
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	47	0.24
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	33	0.24
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	4	0.24
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	10	0.24
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	13	0.24
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	14	0.24
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	18	0.24
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	25	0.24
(1,189)	1:22:A:GLN:HA	1:25:A:GLN:HG2	1	0.24
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG21	13	0.24
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG22	46	0.24
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG11	44	0.24
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	46	0.24
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	7	0.24
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	10	0.24
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	25	0.24
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	38	0.24
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB2	33	0.24
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	23	0.24
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	28	0.24
(1,132)	1:17:A:LYS:HA	1:17:A:LYS:HB2	4	0.24
(1,132)	1:17:A:LYS:HA	1:17:A:LYS:HB2	32	0.24
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	17	0.24
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	4	0.24
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	15	0.24
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	38	0.24
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	44	0.24
(1,104)	1:29:A:PRO:HD2	1:29:A:PRO:HB3	47	0.24
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	41	0.24
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	43	0.24
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	47	0.24
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	49	0.24
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	17	0.24
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	30	0.24
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	37	0.24
(2,943)	1:28:A:SER:HB3	1:28:A:SER:H	17	0.23
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	12	0.23
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	19	0.23
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	14	0.23
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	41	0.23
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	13	0.23
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	20	0.23
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	40	0.23
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	27	0.23
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	32	0.23
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	10	0.23
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	3	0.23
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	10	0.23
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	25	0.23
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	33	0.23
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	44	0.23
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	8	0.23
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	9	0.23
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	12	0.23
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	48	0.23
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	43	0.23
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	43	0.23
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	43	0.23
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	44	0.23
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	44	0.23
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	44	0.23
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	49	0.23
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	49	0.23
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	49	0.23
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	24	0.23
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	2	0.23
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	9	0.23
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	10	0.23
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	16	0.23
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	39	0.23
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	26	0.23
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	6	0.23
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	7	0.23
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	15	0.23
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	24	0.23
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	32	0.23
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	36	0.23
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	42	0.23
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	49	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	1	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	2	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	3	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	4	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	5	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	6	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	7	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	9	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	10	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	11	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	12	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	13	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	14	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	15	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	16	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	17	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	18	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	19	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	20	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	21	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	22	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	23	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	24	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	25	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	26	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	27	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	28	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	29	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	30	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	31	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	32	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	33	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	34	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	35	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	36	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	37	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	38	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	39	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	40	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	41	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	42	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	43	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	44	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	45	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	46	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	47	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	48	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	49	0.23
(2,835)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	50	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,824)	1:2:A:SER:HA	1:2:A:SER:H	38	0.23
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	37	0.23
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	22	0.23
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	25	0.23
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	48	0.23
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	5	0.23
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	7	0.23
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	13	0.23
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	18	0.23
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	28	0.23
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	31	0.23
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	32	0.23
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	37	0.23
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	47	0.23
(2,782)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	50	0.23
(2,781)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	3	0.23
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	1	0.23
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	8	0.23
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	11	0.23
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	14	0.23
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	33	0.23
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	4	0.23
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	4	0.23
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	4	0.23
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	32	0.23
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	1	0.23
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	1	0.23
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	29	0.23
(2,705)	1:4:A:GLN:HG2	1:4:A:GLN:H	29	0.23
(2,705)	1:4:A:GLN:HG3	1:4:A:GLN:H	29	0.23
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	31	0.23
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	14	0.23
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	1	0.23
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	1	0.23
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	1	0.23
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	7	0.23
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	7	0.23
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	7	0.23
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	43	0.23
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	43	0.23
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	43	0.23
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	11	0.23
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	46	0.23
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	7	0.23
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	7	0.23
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	7	0.23
(2,668)	1:15:A:VAL:HG21	1:12:A:GLN:HE22	36	0.23
(2,668)	1:15:A:VAL:HG22	1:12:A:GLN:HE22	36	0.23
(2,668)	1:15:A:VAL:HG23	1:12:A:GLN:HE22	36	0.23
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	15	0.23
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	19	0.23
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	14	0.23
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	14	0.23
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	14	0.23
(2,655)	1:14:A:ASN:HB2	1:14:A:ASN:H	4	0.23
(2,655)	1:14:A:ASN:HB2	1:14:A:ASN:H	29	0.23
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	14	0.23
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	14	0.23
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	27	0.23
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	27	0.23
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	1	0.23
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	21	0.23
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	34	0.23
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	31	0.23
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	32	0.23
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	35	0.23
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	3	0.23
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	12	0.23
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	26	0.23
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	35	0.23
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	43	0.23
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	44	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	1	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	1	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	1	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	2	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	2	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	2	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	3	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	3	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	3	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	6	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	6	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	7	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	7	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	7	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	8	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	8	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	8	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	10	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	10	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	10	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	11	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	11	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	11	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	12	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	12	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	12	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	13	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	13	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	13	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	14	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	14	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	14	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	15	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	15	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	15	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	16	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	16	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	16	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	17	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	17	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	17	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	18	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	18	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	18	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	19	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	19	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	19	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	20	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	20	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	20	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	21	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	21	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	21	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	22	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	22	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	22	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	23	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	23	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	23	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	24	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	24	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	24	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	25	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	25	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	25	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	26	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	26	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	26	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	28	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	28	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	28	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	29	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	29	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	29	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	30	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	30	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	30	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	31	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	31	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	31	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	33	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	33	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	33	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	34	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	34	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	34	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	36	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	36	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	36	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	37	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	37	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	37	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	38	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	38	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	38	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	40	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	40	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	40	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	41	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	41	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	41	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	44	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	44	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	44	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	45	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	45	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	45	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	46	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	46	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	46	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	47	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	47	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	47	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	48	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	48	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	48	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD11	50	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD12	50	0.23
(2,624)	1:30:A:LEU:HG	1:30:A:LEU:HD13	50	0.23
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	2	0.23
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	7	0.23
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	14	0.23
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	17	0.23
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	23	0.23
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	6	0.23
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	26	0.23
(2,595)	1:2:A:SER:HA	1:2:A:SER:HB3	7	0.23
(2,595)	1:2:A:SER:HA	1:2:A:SER:HB3	27	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	3	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	6	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	11	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	14	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	18	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	22	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	23	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	24	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	26	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	27	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	28	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	38	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	40	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	44	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	45	0.23
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	50	0.23
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG11	44	0.23
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG12	44	0.23
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG13	44	0.23
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG11	44	0.23
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG12	44	0.23
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG13	44	0.23
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG11	44	0.23
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG12	44	0.23
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG13	44	0.23
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	18	0.23
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	18	0.23
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	18	0.23
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	50	0.23
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	50	0.23
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	50	0.23
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	12	0.23
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	12	0.23
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	12	0.23
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	32	0.23
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	32	0.23
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	32	0.23
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	7	0.23
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	13	0.23
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	18	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	8	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	8	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	16	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	16	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	22	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	22	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	23	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	23	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	45	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	45	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	47	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	47	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	48	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	48	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	50	0.23
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	50	0.23
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	43	0.23
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	2	0.23
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	39	0.23
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	26	0.23
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	26	0.23
(2,529)	1:32:A:ARG:HB3	1:32:A:ARG:HA	18	0.23
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	4	0.23
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	25	0.23
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	45	0.23
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	30	0.23
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	30	0.23
(2,492)	1:10:A:TYR:HE1	1:27:A:CYS:HB3	43	0.23
(2,492)	1:10:A:TYR:HE2	1:27:A:CYS:HB3	43	0.23
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	8	0.23
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	10	0.23
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	1	0.23
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	1	0.23
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	14	0.23
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	41	0.23
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	26	0.23
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	26	0.23
(2,457)	1:32:A:ARG:HB3	1:32:A:ARG:HA	18	0.23
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	13	0.23
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	20	0.23
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	40	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	1	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	2	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	3	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	4	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	5	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	6	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	7	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	8	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	9	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	10	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	12	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	13	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	14	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	15	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	16	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	17	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	18	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	19	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	20	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	21	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	22	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	23	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	24	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	25	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	26	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	27	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	28	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	29	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	30	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	31	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	32	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	33	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	34	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	35	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	36	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	37	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	38	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	39	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	40	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	41	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	42	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	43	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	44	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	45	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	46	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	47	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	48	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	49	0.23
(2,448)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	50	0.23
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	1	0.23
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	21	0.23
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	34	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	4	0.23
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	25	0.23
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	45	0.23
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	1	0.23
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	1	0.23
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	1	0.23
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	7	0.23
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	7	0.23
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	7	0.23
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	4	0.23
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	4	0.23
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	4	0.23
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	31	0.23
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	32	0.23
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	35	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	1	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	1	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	1	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	2	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	2	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	2	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	3	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	3	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	3	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	6	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	6	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	6	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	7	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	7	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	7	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	8	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	8	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	8	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	10	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	10	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	10	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	11	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	11	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	11	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	12	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	12	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	13	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	13	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	13	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	14	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	14	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	14	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	15	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	15	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	15	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	16	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	16	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	16	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	17	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	17	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	17	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	18	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	18	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	18	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	19	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	19	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	19	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	20	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	20	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	20	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	21	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	21	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	21	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	22	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	22	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	22	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	23	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	23	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	23	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	24	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	24	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	24	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	25	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	25	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	25	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	26	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	26	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	26	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	28	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	28	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	28	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	29	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	29	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	29	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	30	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	30	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	30	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	31	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	31	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	31	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	33	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	33	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	33	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	34	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	34	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	34	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	36	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	36	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	36	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	37	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	37	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	37	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	38	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	38	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	38	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	40	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	40	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	40	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	41	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	41	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	41	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	44	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	44	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	44	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	45	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	45	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	45	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	46	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	46	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	46	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	47	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	47	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	47	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	48	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	48	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	48	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD11	50	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD12	50	0.23
(2,425)	1:30:A:LEU:HG	1:30:A:LEU:HD13	50	0.23
(2,392)	1:28:A:SER:HB3	1:28:A:SER:H	17	0.23
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG11	44	0.23
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG12	44	0.23
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG13	44	0.23
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG11	44	0.23
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG12	44	0.23
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG13	44	0.23
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG11	44	0.23
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG12	44	0.23
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG13	44	0.23
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	39	0.23
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	43	0.23
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	43	0.23
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	43	0.23
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	8	0.23
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	9	0.23
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	12	0.23
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	48	0.23
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	2	0.23
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	9	0.23
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	10	0.23
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	16	0.23
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	24	0.23
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	6	0.23
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	7	0.23
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	15	0.23
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	24	0.23
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	32	0.23
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	36	0.23
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	42	0.23
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	49	0.23
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	22	0.23
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	25	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	48	0.23
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	2	0.23
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	3	0.23
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	12	0.23
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	26	0.23
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	35	0.23
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	43	0.23
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	44	0.23
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	7	0.23
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	13	0.23
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	26	0.23
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	43	0.23
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	2	0.23
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	39	0.23
(2,198)	1:14:A:ASN:HB2	1:14:A:ASN:H	4	0.23
(2,198)	1:14:A:ASN:HB2	1:14:A:ASN:H	29	0.23
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	32	0.23
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	15	0.23
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	19	0.23
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	27	0.23
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	32	0.23
(2,165)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	3	0.23
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	14	0.23
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	12	0.23
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	19	0.23
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	6	0.23
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	26	0.23
(2,147)	1:10:A:TYR:HE1	1:27:A:CYS:HB3	43	0.23
(2,147)	1:10:A:TYR:HE2	1:27:A:CYS:HB3	43	0.23
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	30	0.23
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	30	0.23
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	5	0.23
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	7	0.23
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	13	0.23
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	18	0.23
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	28	0.23
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	31	0.23
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	32	0.23
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	37	0.23
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	47	0.23
(2,137)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	50	0.23
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	14	0.23
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	17	0.23
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	23	0.23
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	1	0.23
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	8	0.23
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	11	0.23
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	14	0.23
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	33	0.23
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	50	0.23
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	50	0.23
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	50	0.23
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	12	0.23
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	12	0.23
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	12	0.23
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	32	0.23
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	32	0.23
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	32	0.23
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	29	0.23
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	31	0.23
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	14	0.23
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	14	0.23
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	27	0.23
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	27	0.23
(2,27)	1:4:A:GLN:HG2	1:4:A:GLN:H	29	0.23
(2,27)	1:4:A:GLN:HG3	1:4:A:GLN:H	29	0.23
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	43	0.23
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	43	0.23
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	43	0.23
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	44	0.23
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	44	0.23
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	44	0.23
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	49	0.23
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	49	0.23
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	49	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	3	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	6	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	11	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	14	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	18	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	22	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	23	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	24	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	26	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	27	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	28	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	38	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	40	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	44	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	45	0.23
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	50	0.23
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	18	0.23
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	3	0.23
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	10	0.23
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	25	0.23
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	33	0.23
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	44	0.23
(2,4)	1:2:A:SER:HA	1:2:A:SER:H	38	0.23
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	37	0.23
(2,2)	1:2:A:SER:HA	1:2:A:SER:HB3	7	0.23
(2,2)	1:2:A:SER:HA	1:2:A:SER:HB3	27	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	8	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	8	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	16	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	16	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	22	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	22	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	23	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	23	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	45	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	45	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	47	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	47	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	48	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	48	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	50	0.23
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	50	0.23
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	8	0.23
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	19	0.23
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	22	0.23
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	24	0.23
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	35	0.23
(1,939)	1:32:A:ARG:HG2	1:32:A:ARG:HA	27	0.23
(1,917)	1:28:A:SER:HB3	1:28:A:SER:H	17	0.23
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	19	0.23
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	14	0.23
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	41	0.23
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	13	0.23
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	20	0.23
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	40	0.23
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	27	0.23
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	32	0.23
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	8	0.23
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	10	0.23
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	3	0.23
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	10	0.23
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	25	0.23
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	33	0.23
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	44	0.23
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	8	0.23
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	9	0.23
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	12	0.23
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	48	0.23
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	43	0.23
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	43	0.23
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	43	0.23
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	44	0.23
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	44	0.23
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	44	0.23
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	49	0.23
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	49	0.23
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	49	0.23
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	24	0.23
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	2	0.23
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	9	0.23
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	10	0.23
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	16	0.23
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	39	0.23
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	15	0.23
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	42	0.23
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	26	0.23
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	6	0.23
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	7	0.23
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	15	0.23
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	24	0.23
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	32	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	36	0.23
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	42	0.23
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	49	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	1	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	2	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	3	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	4	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	5	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	6	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	7	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	8	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	9	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	10	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	11	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	12	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	13	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	14	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	15	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	16	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	17	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	18	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	19	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	20	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	21	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	22	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	23	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	24	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	25	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	26	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	27	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	28	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	29	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	30	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	31	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	32	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	33	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	34	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	35	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	36	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	37	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	38	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	39	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	40	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	41	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	42	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	43	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	44	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	45	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	46	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	47	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	48	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	49	0.23
(1,809)	1:31:A:GLU:HB2	1:31:A:GLU:HB3	50	0.23
(1,798)	1:2:A:SER:HA	1:2:A:SER:H	38	0.23
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	37	0.23
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	22	0.23
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	25	0.23
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	48	0.23
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	5	0.23
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	7	0.23
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	13	0.23
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	18	0.23
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	28	0.23
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	31	0.23
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	32	0.23
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	37	0.23
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	47	0.23
(1,757)	1:10:A:TYR:HB2	1:10:A:TYR:HB3	50	0.23
(1,756)	1:12:A:GLN:HB3	1:12:A:GLN:HE21	3	0.23
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	1	0.23
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	8	0.23
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	11	0.23
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	14	0.23
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	33	0.23
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	4	0.23
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	4	0.23
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	4	0.23
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	32	0.23
(1,695)	1:33:A:SER:HB2	1:33:A:SER:H	32	0.23
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	29	0.23
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	31	0.23
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	14	0.23
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	1	0.23
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	1	0.23
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	7	0.23
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	7	0.23
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	7	0.23
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	43	0.23
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	43	0.23
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	43	0.23
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	15	0.23
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	19	0.23
(1,636)	1:14:A:ASN:HB2	1:14:A:ASN:H	4	0.23
(1,636)	1:14:A:ASN:HB2	1:14:A:ASN:H	29	0.23
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	1	0.23
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	21	0.23
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	34	0.23
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	31	0.23
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	32	0.23
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	35	0.23
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	3	0.23
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	12	0.23
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	26	0.23
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	35	0.23
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	43	0.23
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	44	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	1	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	1	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	1	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	2	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	2	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	2	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	3	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	3	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	3	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	6	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	6	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	6	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	7	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	7	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	7	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	8	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	8	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	8	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	10	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	10	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	11	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	11	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	11	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	12	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	12	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	12	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	13	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	13	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	13	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	14	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	14	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	14	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	15	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	15	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	15	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	16	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	16	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	16	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	17	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	17	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	17	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	18	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	18	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	18	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	19	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	19	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	19	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	20	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	20	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	20	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	21	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	21	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	21	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	22	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	22	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	22	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	23	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	23	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	23	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	24	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	24	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	24	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	25	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	25	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	25	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	26	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	26	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	26	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	28	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	28	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	28	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	29	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	29	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	29	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	30	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	30	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	30	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	31	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	31	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	31	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	33	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	33	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	33	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	34	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	34	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	34	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	36	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	36	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	36	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	37	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	37	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	37	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	38	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	38	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	38	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	40	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	40	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	40	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	41	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	41	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	41	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	44	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	44	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	44	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	45	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	45	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	45	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	46	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	46	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	46	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	47	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	47	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	47	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	48	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	48	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	48	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD11	50	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD12	50	0.23
(1,607)	1:30:A:LEU:HG	1:30:A:LEU:HD13	50	0.23
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	2	0.23
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	7	0.23
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	14	0.23
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	17	0.23
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	23	0.23
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	6	0.23
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	26	0.23
(1,578)	1:2:A:SER:HA	1:2:A:SER:HB3	7	0.23
(1,578)	1:2:A:SER:HA	1:2:A:SER:HB3	27	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	3	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	6	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	11	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	14	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	18	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	22	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	23	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	24	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	26	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	27	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	28	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	38	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	40	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	44	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	45	0.23
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	50	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG11	44	0.23
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG12	44	0.23
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG13	44	0.23
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG11	44	0.23
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG12	44	0.23
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG13	44	0.23
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG11	44	0.23
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG12	44	0.23
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG13	44	0.23
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	50	0.23
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	50	0.23
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	50	0.23
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	12	0.23
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	12	0.23
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	12	0.23
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	32	0.23
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	32	0.23
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	32	0.23
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	7	0.23
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	13	0.23
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	18	0.23
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	43	0.23
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	2	0.23
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	39	0.23
(1,519)	1:32:A:ARG:HB3	1:32:A:ARG:HA	18	0.23
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	4	0.23
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	25	0.23
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	45	0.23
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	30	0.23
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	30	0.23
(1,482)	1:10:A:TYR:HE1	1:27:A:CYS:HB3	43	0.23
(1,482)	1:10:A:TYR:HE2	1:27:A:CYS:HB3	43	0.23
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	1	0.23
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	18	0.23
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	22	0.23
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	25	0.23
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	26	0.23
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	33	0.23
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	44	0.23
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	50	0.23
(1,439)	1:6:A:ALA:HB1	1:31:A:GLU:HB3	29	0.23
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	40	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	9	0.23
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	11	0.23
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	26	0.23
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	46	0.23
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	44	0.23
(1,305)	1:17:A:LYS:H	1:14:A:ASN:HA	28	0.23
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	2	0.23
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	42	0.23
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	46	0.23
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	48	0.23
(1,230)	1:25:A:GLN:H	1:25:A:GLN:HG3	11	0.23
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	12	0.23
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG22	47	0.23
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG21	19	0.23
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	44	0.23
(1,175)	1:10:A:TYR:HE2	1:10:A:TYR:HA	47	0.23
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	12	0.23
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	17	0.23
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	20	0.23
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	25	0.23
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	48	0.23
(1,132)	1:17:A:LYS:HA	1:17:A:LYS:HB2	15	0.23
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	25	0.23
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	42	0.23
(1,111)	1:30:A:LEU:HD23	1:30:A:LEU:HA	19	0.23
(1,111)	1:30:A:LEU:HD23	1:30:A:LEU:HA	21	0.23
(1,111)	1:30:A:LEU:HD21	1:30:A:LEU:HA	25	0.23
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	12	0.23
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	16	0.23
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	20	0.23
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	22	0.23
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	9	0.23
(1,81)	1:24:A:TYR:HD1	1:28:A:SER:HB2	27	0.23
(1,76)	1:24:A:TYR:HD2	1:24:A:TYR:HA	39	0.23
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	20	0.23
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	31	0.23
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	2	0.23
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	4	0.23
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	7	0.23
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	12	0.23
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	16	0.23
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	23	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	27	0.23
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	28	0.23
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	34	0.23
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	36	0.23
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	46	0.23
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	47	0.23
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	48	0.23
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	49	0.23
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	16	0.22
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	16	0.22
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	16	0.22
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	49	0.22
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	49	0.22
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	16	0.22
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	23	0.22
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	39	0.22
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	32	0.22
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	38	0.22
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	44	0.22
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	46	0.22
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	3	0.22
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	17	0.22
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	7	0.22
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	31	0.22
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	31	0.22
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	31	0.22
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	15	0.22
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	17	0.22
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	49	0.22
(2,845)	1:16:A:ASN:HB3	1:16:A:ASN:H	44	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	1	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	2	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	3	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	4	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	8	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	9	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	11	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	13	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	14	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	16	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	17	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	22	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	25	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	27	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	28	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	29	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	34	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	35	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	45	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	46	0.22
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	48	0.22
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	3	0.22
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	5	0.22
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	19	0.22
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	23	0.22
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	44	0.22
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	45	0.22
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	9	0.22
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	25	0.22
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	4	0.22
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	25	0.22
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	23	0.22
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	23	0.22
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	30	0.22
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	30	0.22
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	44	0.22
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	49	0.22
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	49	0.22
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	49	0.22
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	49	0.22
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	27	0.22
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	31	0.22
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	28	0.22
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	28	0.22
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	8	0.22
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	26	0.22
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	45	0.22
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	31	0.22
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	32	0.22
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	24	0.22
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	24	0.22
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	24	0.22
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	44	0.22
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	47	0.22
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	3	0.22
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	11	0.22
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	9	0.22
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	25	0.22
(2,669)	1:14:A:ASN:H	1:15:A:VAL:H	36	0.22
(2,668)	1:15:A:VAL:HG21	1:12:A:GLN:HE22	30	0.22
(2,668)	1:15:A:VAL:HG22	1:12:A:GLN:HE22	30	0.22
(2,668)	1:15:A:VAL:HG23	1:12:A:GLN:HE22	30	0.22
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	5	0.22
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	45	0.22
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	25	0.22
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	25	0.22
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	33	0.22
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	33	0.22
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	38	0.22
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	38	0.22
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	8	0.22
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	11	0.22
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	13	0.22
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	28	0.22
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	10	0.22
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	20	0.22
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	27	0.22
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	30	0.22
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	33	0.22
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	41	0.22
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	42	0.22
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	46	0.22
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	35	0.22
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	9	0.22
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	5	0.22
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	27	0.22
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	29	0.22
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	32	0.22
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	37	0.22
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	49	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	2	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	4	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	9	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	13	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	16	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	20	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	21	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	30	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	31	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	33	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	35	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	36	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	39	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	41	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	42	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	43	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	48	0.22
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	49	0.22
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	4	0.22
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	4	0.22
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	4	0.22
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	4	0.22
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	4	0.22
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	4	0.22
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	47	0.22
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	47	0.22
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	47	0.22
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	18	0.22
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	25	0.22
(2,555)	1:20:A:PHE:HA	1:23:A:CYS:HB3	24	0.22
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	2	0.22
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	12	0.22
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	37	0.22
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	11	0.22
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	11	0.22
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	12	0.22
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	12	0.22
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	19	0.22
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	19	0.22
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	26	0.22
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	26	0.22
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	29	0.22
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	29	0.22
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	37	0.22
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	37	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	46	0.22
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	46	0.22
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	24	0.22
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	24	0.22
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	24	0.22
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	24	0.22
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	24	0.22
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	24	0.22
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	24	0.22
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	24	0.22
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	24	0.22
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	4	0.22
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	13	0.22
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	14	0.22
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	43	0.22
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	46	0.22
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	21	0.22
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	21	0.22
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	21	0.22
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	25	0.22
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	25	0.22
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	25	0.22
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	18	0.22
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	18	0.22
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	18	0.22
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	19	0.22
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	31	0.22
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	31	0.22
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	28	0.22
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	28	0.22
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	16	0.22
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	23	0.22
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	39	0.22
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	9	0.22
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	32	0.22
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	38	0.22
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	44	0.22
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	46	0.22
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	8	0.22
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	49	0.22
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	49	0.22
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	49	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	11	0.22
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	13	0.22
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	28	0.22
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	21	0.22
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	21	0.22
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	21	0.22
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	25	0.22
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	25	0.22
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	25	0.22
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	18	0.22
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	18	0.22
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	18	0.22
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	4	0.22
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	44	0.22
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	47	0.22
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	23	0.22
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	23	0.22
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	30	0.22
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	30	0.22
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	19	0.22
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	24	0.22
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	24	0.22
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	24	0.22
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	3	0.22
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	17	0.22
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	15	0.22
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	17	0.22
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	49	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	1	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	2	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	3	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	4	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	8	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	9	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	11	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	13	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	14	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	16	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	17	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	18	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	22	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	25	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	27	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	28	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	29	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	34	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	35	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	45	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	46	0.22
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	48	0.22
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	3	0.22
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	5	0.22
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	19	0.22
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	23	0.22
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	44	0.22
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	45	0.22
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	9	0.22
(2,286)	1:20:A:PHE:HA	1:23:A:CYS:HB3	24	0.22
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	10	0.22
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	20	0.22
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	27	0.22
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	30	0.22
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	33	0.22
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	41	0.22
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	42	0.22
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	46	0.22
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	7	0.22
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	25	0.22
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	18	0.22
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	24	0.22
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	24	0.22
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	24	0.22
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	24	0.22
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	24	0.22
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	24	0.22
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	24	0.22
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	24	0.22
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	24	0.22
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	4	0.22
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	13	0.22
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	14	0.22
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	43	0.22
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	46	0.22
(2,222)	1:16:A:ASN:HB3	1:16:A:ASN:H	44	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,201)	1:14:A:ASN:H	1:15:A:VAL:H	36	0.22
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	27	0.22
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	31	0.22
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	3	0.22
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	11	0.22
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	5	0.22
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	45	0.22
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	31	0.22
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	32	0.22
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	44	0.22
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	49	0.22
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	31	0.22
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	31	0.22
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	35	0.22
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	5	0.22
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	27	0.22
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	29	0.22
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	32	0.22
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	37	0.22
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	49	0.22
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	16	0.22
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	16	0.22
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	16	0.22
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	4	0.22
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	25	0.22
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	49	0.22
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	49	0.22
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	4	0.22
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	4	0.22
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	4	0.22
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	47	0.22
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	47	0.22
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	47	0.22
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	25	0.22
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	8	0.22
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	26	0.22
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	45	0.22
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	25	0.22
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	25	0.22
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	33	0.22
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	33	0.22
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	38	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	38	0.22
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	31	0.22
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	31	0.22
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	31	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	2	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	4	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	9	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	12	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	13	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	16	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	20	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	21	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	30	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	31	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	33	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	35	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	36	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	39	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	41	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	42	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	43	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	48	0.22
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	49	0.22
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	2	0.22
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	12	0.22
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	37	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	11	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	11	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	12	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	12	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	19	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	19	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	26	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	26	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	29	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	29	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	37	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	37	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	46	0.22
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	46	0.22
(1,1041)	1:4:A:GLN:HG2	1:4:A:GLN:HE21	34	0.22
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	50	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	36	0.22
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	36	0.22
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	36	0.22
(1,957)	1:31:A:GLU:HB2	1:30:A:LEU:HD23	4	0.22
(1,956)	1:22:A:GLN:HA	1:25:A:GLN:HB3	4	0.22
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	16	0.22
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	16	0.22
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	16	0.22
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	16	0.22
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	23	0.22
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	39	0.22
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	32	0.22
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	38	0.22
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	44	0.22
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	46	0.22
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	3	0.22
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	17	0.22
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	7	0.22
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	31	0.22
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	31	0.22
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	31	0.22
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	15	0.22
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	17	0.22
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	49	0.22
(1,819)	1:16:A:ASN:HB3	1:16:A:ASN:H	44	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	1	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	2	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	3	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	4	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	8	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	9	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	11	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	13	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	14	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	16	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	17	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	18	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	22	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	25	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	27	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	28	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	29	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	34	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	35	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	45	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	46	0.22
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	48	0.22
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	3	0.22
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	5	0.22
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	19	0.22
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	23	0.22
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	44	0.22
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	45	0.22
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	9	0.22
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	25	0.22
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	4	0.22
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	25	0.22
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	44	0.22
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	49	0.22
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	49	0.22
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	49	0.22
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	49	0.22
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	27	0.22
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	31	0.22
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	8	0.22
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	26	0.22
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	45	0.22
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	31	0.22
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	32	0.22
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	24	0.22
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	24	0.22
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	24	0.22
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	4	0.22
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	44	0.22
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	47	0.22
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	3	0.22
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	11	0.22
(1,648)	1:14:A:ASN:H	1:15:A:VAL:H	36	0.22
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	5	0.22
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	45	0.22
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	8	0.22
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	11	0.22
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	13	0.22
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	28	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	10	0.22
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	20	0.22
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	27	0.22
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	30	0.22
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	33	0.22
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	41	0.22
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	42	0.22
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	46	0.22
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	35	0.22
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	9	0.22
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	5	0.22
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	27	0.22
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	29	0.22
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	32	0.22
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	37	0.22
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	49	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	2	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	4	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	9	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	12	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	13	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	16	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	20	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	21	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	30	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	31	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	33	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	35	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	36	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	39	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	41	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	42	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	43	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	48	0.22
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	49	0.22
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	4	0.22
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	4	0.22
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	4	0.22
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	47	0.22
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	47	0.22
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	47	0.22
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	25	0.22
(1,545)	1:20:A:PHE:HA	1:23:A:CYS:HB3	24	0.22
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	2	0.22
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	12	0.22
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	37	0.22
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	24	0.22
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	24	0.22
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	24	0.22
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	24	0.22
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	24	0.22
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	24	0.22
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	24	0.22
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	24	0.22
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	24	0.22
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	4	0.22
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	13	0.22
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	14	0.22
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	43	0.22
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	46	0.22
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	21	0.22
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	21	0.22
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	21	0.22
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	25	0.22
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	25	0.22
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	25	0.22
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	18	0.22
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	18	0.22
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	18	0.22
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	19	0.22
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	31	0.22
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	31	0.22
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	23	0.22
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	26	0.22
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	5	0.22
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	44	0.22
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	31	0.22
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	21	0.22
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	22	0.22
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	42	0.22
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE3	47	0.22
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	48	0.22
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	33	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	45	0.22
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	28	0.22
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	26	0.22
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	38	0.22
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	16	0.22
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	14	0.22
(1,189)	1:22:A:GLN:HA	1:25:A:GLN:HG2	30	0.22
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG22	22	0.22
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG23	33	0.22
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG22	38	0.22
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG23	9	0.22
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG23	21	0.22
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	9	0.22
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	27	0.22
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB1	13	0.22
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB3	32	0.22
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	5	0.22
(1,134)	1:17:A:LYS:HA	1:17:A:LYS:HD3	37	0.22
(1,132)	1:17:A:LYS:HA	1:17:A:LYS:HB2	45	0.22
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	9	0.22
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	10	0.22
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	14	0.22
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	15	0.22
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	19	0.22
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	29	0.22
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	50	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	1	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	2	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	3	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	4	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	6	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	8	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	11	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	14	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	15	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	16	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	19	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	20	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	21	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	22	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	24	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	25	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	26	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	28	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	29	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	32	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	33	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	34	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	35	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	36	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	38	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	39	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	40	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	41	0.22
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	42	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	44	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	45	0.22
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	50	0.22
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	3	0.22
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	21	0.22
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	38	0.22
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	43	0.22
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	45	0.22
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	1	0.22
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	3	0.22
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	5	0.22
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	8	0.22
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	13	0.22
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	14	0.22
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	22	0.22
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	24	0.22
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	25	0.22
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	29	0.22
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	32	0.22
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	35	0.22
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	38	0.22
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	41	0.22
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	42	0.22
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	1	0.21
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	42	0.21
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	11	0.21
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	30	0.21
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	37	0.21
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	34	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	2	0.21
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	6	0.21
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	11	0.21
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	22	0.21
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	23	0.21
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	27	0.21
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	44	0.21
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	46	0.21
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	8	0.21
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	11	0.21
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	24	0.21
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	36	0.21
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	43	0.21
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	44	0.21
(2,847)	1:19:A:PRO:HB2	1:20:A:PHE:H	25	0.21
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	11	0.21
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	5	0.21
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	10	0.21
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	12	0.21
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	20	0.21
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	21	0.21
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	23	0.21
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	30	0.21
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	31	0.21
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	41	0.21
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	43	0.21
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	44	0.21
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	50	0.21
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	9	0.21
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	11	0.21
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	20	0.21
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	28	0.21
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	30	0.21
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	31	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	1	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	2	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	3	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	4	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	5	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	6	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	7	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	9	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	10	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	11	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	12	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	13	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	14	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	15	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	16	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	17	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	18	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	19	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	20	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	21	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	22	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	23	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	24	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	26	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	27	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	28	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	29	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	30	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	31	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	32	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	33	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	34	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	35	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	36	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	37	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	38	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	39	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	40	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	41	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	42	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	43	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	44	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	45	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	46	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	47	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	48	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	49	0.21
(2,791)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	50	0.21
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	27	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	34	0.21
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	37	0.21
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	50	0.21
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	29	0.21
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	29	0.21
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	47	0.21
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	47	0.21
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	47	0.21
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	47	0.21
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	33	0.21
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	13	0.21
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	13	0.21
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	21	0.21
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	21	0.21
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	31	0.21
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	41	0.21
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	27	0.21
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	34	0.21
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	50	0.21
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	36	0.21
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	36	0.21
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	36	0.21
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	10	0.21
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	14	0.21
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	15	0.21
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	25	0.21
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	41	0.21
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	12	0.21
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	15	0.21
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	47	0.21
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	23	0.21
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	15	0.21
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	16	0.21
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	20	0.21
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	28	0.21
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	30	0.21
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	37	0.21
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	46	0.21
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	48	0.21
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	21	0.21
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	34	0.21
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	46	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	19	0.21
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	19	0.21
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	35	0.21
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	35	0.21
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	50	0.21
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	50	0.21
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	15	0.21
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	25	0.21
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	41	0.21
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	46	0.21
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	22	0.21
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	25	0.21
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	37	0.21
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	10	0.21
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	16	0.21
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	26	0.21
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	16	0.21
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	18	0.21
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	19	0.21
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	24	0.21
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	39	0.21
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	42	0.21
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	44	0.21
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	48	0.21
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	2	0.21
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	10	0.21
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	15	0.21
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	19	0.21
(2,591)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	32	0.21
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	3	0.21
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	3	0.21
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	3	0.21
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	5	0.21
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	11	0.21
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	31	0.21
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	37	0.21
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	21	0.21
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	13	0.21
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	33	0.21
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	35	0.21
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	2	0.21
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	13	0.21
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	13	0.21
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	21	0.21
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	21	0.21
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	28	0.21
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	28	0.21
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	35	0.21
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	35	0.21
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	36	0.21
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	36	0.21
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	42	0.21
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	42	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	5	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	5	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	5	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	5	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	5	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	5	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	5	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	5	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	5	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	13	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	13	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	13	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	13	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	13	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	13	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	13	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	13	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	13	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	31	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	31	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	31	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	31	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	31	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	31	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	31	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	31	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	31	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	37	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	37	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	37	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	37	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	37	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	37	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	37	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	37	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	37	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	40	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	40	0.21
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	40	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	40	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	40	0.21
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	40	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	40	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	40	0.21
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	40	0.21
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	2	0.21
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	16	0.21
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	38	0.21
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	38	0.21
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	19	0.21
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	19	0.21
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	19	0.21
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	28	0.21
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	28	0.21
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	28	0.21
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	33	0.21
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	33	0.21
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	33	0.21
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	45	0.21
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	45	0.21
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	45	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	2	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	6	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	9	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	11	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	13	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	15	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	16	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	23	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	27	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	30	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	32	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	38	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	39	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	40	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	42	0.21
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	46	0.21
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	14	0.21
(2,472)	1:7:A:LYS:HA	1:7:A:LYS:HB3	20	0.21
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	37	0.21
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	13	0.21
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	13	0.21
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	21	0.21
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	21	0.21
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	38	0.21
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	38	0.21
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	11	0.21
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	30	0.21
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	36	0.21
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	36	0.21
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	36	0.21
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	15	0.21
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	25	0.21
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	41	0.21
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	46	0.21
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	19	0.21
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	19	0.21
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	19	0.21
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	28	0.21
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	28	0.21
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	28	0.21
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	33	0.21
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	33	0.21
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	33	0.21
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	45	0.21
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	45	0.21
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	45	0.21
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	10	0.21
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	14	0.21
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	15	0.21
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	25	0.21
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	41	0.21
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	15	0.21
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	47	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	37	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	2	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	6	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	9	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	11	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	13	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	15	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	16	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	23	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	27	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	30	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	32	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	38	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	39	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	40	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	42	0.21
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	46	0.21
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	41	0.21
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	29	0.21
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	29	0.21
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	14	0.21
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	2	0.21
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	6	0.21
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	11	0.21
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	22	0.21
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	23	0.21
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	27	0.21
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	44	0.21
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	46	0.21
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	8	0.21
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	11	0.21
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	24	0.21
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	36	0.21
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	43	0.21
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	44	0.21
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	5	0.21
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	10	0.21
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	12	0.21
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	20	0.21
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	21	0.21
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	23	0.21
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	30	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	31	0.21
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	41	0.21
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	43	0.21
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	44	0.21
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	50	0.21
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	9	0.21
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	11	0.21
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	20	0.21
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	28	0.21
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	30	0.21
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	31	0.21
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	16	0.21
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	26	0.21
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	22	0.21
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	25	0.21
(2,266)	1:19:A:PRO:HB2	1:20:A:PHE:H	25	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	1	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	2	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	3	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	4	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	5	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	6	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	7	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	8	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	9	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	10	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	11	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	12	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	13	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	14	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	15	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	16	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	17	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	18	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	19	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	20	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	21	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	22	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	23	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	24	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	26	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	27	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	28	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	29	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	30	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	31	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	32	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	33	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	34	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	35	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	36	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	37	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	38	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	39	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	40	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	41	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	42	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	43	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	44	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	45	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	46	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	47	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	48	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	49	0.21
(2,259)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	50	0.21
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	5	0.21
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	11	0.21
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	31	0.21
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	37	0.21
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	47	0.21
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	47	0.21
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	47	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	5	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	5	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	5	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	5	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	5	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	5	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	5	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	5	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	5	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	13	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	13	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	13	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	13	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	13	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	13	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	13	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	13	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	31	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	31	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	31	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	31	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	31	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	31	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	31	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	31	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	31	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	37	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	37	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	37	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	37	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	37	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	37	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	37	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	37	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	37	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	40	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	40	0.21
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	40	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	40	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	40	0.21
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	40	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	40	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	40	0.21
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	40	0.21
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	11	0.21
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	15	0.21
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	16	0.21
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	20	0.21
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	28	0.21
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	30	0.21
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	37	0.21
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	46	0.21
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	48	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	2	0.21
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	16	0.21
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	33	0.21
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	23	0.21
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	21	0.21
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	34	0.21
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	46	0.21
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	27	0.21
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	34	0.21
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	50	0.21
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	1	0.21
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	42	0.21
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	47	0.21
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	2	0.21
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	10	0.21
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	16	0.21
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	18	0.21
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	19	0.21
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	24	0.21
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	39	0.21
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	42	0.21
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	44	0.21
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	48	0.21
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	27	0.21
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	34	0.21
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	37	0.21
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	50	0.21
(2,72)	1:7:A:LYS:HA	1:7:A:LYS:HB3	20	0.21
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	21	0.21
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	31	0.21
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	19	0.21
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	19	0.21
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	35	0.21
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	35	0.21
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	50	0.21
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	50	0.21
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	10	0.21
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	15	0.21
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	19	0.21
(2,20)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	32	0.21
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	13	0.21
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	33	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	35	0.21
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	34	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	2	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	2	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	13	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	13	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	21	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	21	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	28	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	28	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	35	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	35	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	36	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	36	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	42	0.21
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	42	0.21
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	29	0.21
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	29	0.21
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	29	0.21
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	31	0.21
(1,955)	1:18:A:VAL:HG22	1:22:A:GLN:HB3	4	0.21
(1,955)	1:18:A:VAL:HG21	1:22:A:GLN:HB3	25	0.21
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	1	0.21
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	42	0.21
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	11	0.21
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	30	0.21
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	37	0.21
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	34	0.21
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	2	0.21
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	6	0.21
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	11	0.21
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	22	0.21
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	23	0.21
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	27	0.21
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	44	0.21
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	46	0.21
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	8	0.21
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	11	0.21
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	24	0.21
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	36	0.21
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	43	0.21
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	44	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:19:A:PRO:HB2	1:20:A:PHE:H	25	0.21
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	11	0.21
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	5	0.21
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	10	0.21
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	12	0.21
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	20	0.21
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	21	0.21
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	23	0.21
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	30	0.21
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	31	0.21
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	41	0.21
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	43	0.21
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	44	0.21
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	50	0.21
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	9	0.21
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	11	0.21
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	20	0.21
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	28	0.21
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	30	0.21
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	31	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	1	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	2	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	3	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	4	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	5	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	6	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	7	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	8	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	9	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	10	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	11	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	12	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	13	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	14	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	15	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	16	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	17	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	18	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	19	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	20	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	21	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	22	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	23	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	24	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	26	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	27	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	28	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	29	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	30	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	31	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	32	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	33	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	34	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	35	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	36	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	37	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	38	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	39	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	40	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	41	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	42	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	43	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	44	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	45	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	46	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	47	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	48	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	49	0.21
(1,766)	1:19:A:PRO:HD2	1:19:A:PRO:HD3	50	0.21
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	27	0.21
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	34	0.21
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	37	0.21
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	50	0.21
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	47	0.21
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	47	0.21
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	47	0.21
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	47	0.21
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	33	0.21
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	31	0.21
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	41	0.21
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	27	0.21
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	34	0.21
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	50	0.21
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	36	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	36	0.21
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	36	0.21
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	10	0.21
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	14	0.21
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	15	0.21
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	25	0.21
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	41	0.21
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	15	0.21
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	47	0.21
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	23	0.21
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	15	0.21
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	16	0.21
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	20	0.21
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	28	0.21
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	30	0.21
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	37	0.21
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	46	0.21
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	48	0.21
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	21	0.21
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	34	0.21
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	46	0.21
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	15	0.21
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	25	0.21
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	41	0.21
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	46	0.21
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	22	0.21
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	25	0.21
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	37	0.21
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	10	0.21
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	16	0.21
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	26	0.21
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	16	0.21
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	18	0.21
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	19	0.21
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	24	0.21
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	39	0.21
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	42	0.21
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	44	0.21
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	48	0.21
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	2	0.21
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	10	0.21
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	19	0.21
(1,574)	1:3:A:PRO:HD3	1:3:A:PRO:HG2	32	0.21
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	5	0.21
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	11	0.21
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	31	0.21
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	37	0.21
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	21	0.21
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	13	0.21
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	33	0.21
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	35	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	5	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	5	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	5	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	5	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	5	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	5	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	5	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	5	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	5	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	13	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	13	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	13	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	13	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	13	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	13	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	13	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	13	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	13	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	31	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	31	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	31	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	31	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	31	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	31	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	31	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	31	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	31	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	37	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	37	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	37	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	37	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	37	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	37	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	37	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	37	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	37	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	40	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	40	0.21
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	40	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	40	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	40	0.21
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	40	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	40	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	40	0.21
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	40	0.21
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	2	0.21
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	16	0.21
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	19	0.21
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	19	0.21
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	19	0.21
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	28	0.21
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	28	0.21
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	28	0.21
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	33	0.21
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	33	0.21
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	33	0.21
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	45	0.21
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	45	0.21
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	45	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	2	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	6	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	9	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	11	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	13	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	15	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	16	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	23	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	27	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	30	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	32	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	38	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	39	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	40	0.21
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	42	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	46	0.21
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	14	0.21
(1,462)	1:7:A:LYS:HA	1:7:A:LYS:HB3	20	0.21
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	3	0.21
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	6	0.21
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	9	0.21
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	10	0.21
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	12	0.21
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	13	0.21
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	24	0.21
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	29	0.21
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	31	0.21
(1,439)	1:6:A:ALA:HB1	1:31:A:GLU:HB3	11	0.21
(1,439)	1:6:A:ALA:HB3	1:31:A:GLU:HB3	16	0.21
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	13	0.21
(1,398)	1:25:A:GLN:H	1:22:A:GLN:HG2	28	0.21
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	17	0.21
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	38	0.21
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	13	0.21
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	33	0.21
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	1	0.21
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	4	0.21
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	13	0.21
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	38	0.21
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	7	0.21
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	9	0.21
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	40	0.21
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	29	0.21
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	32	0.21
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	5	0.21
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	17	0.21
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	19	0.21
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	50	0.21
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG12	46	0.21
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG23	29	0.21
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG23	42	0.21
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG21	45	0.21
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG11	25	0.21
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG11	10	0.21
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	4	0.21
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	44	0.21
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB1	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB1	50	0.21
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	13	0.21
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	3	0.21
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	10	0.21
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	26	0.21
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	38	0.21
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	46	0.21
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG12	3	0.21
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	10	0.21
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	27	0.21
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	32	0.21
(1,83)	1:24:A:TYR:HE2	1:28:A:SER:HB2	32	0.21
(1,82)	1:24:A:TYR:HD1	1:28:A:SER:HB3	22	0.21
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	5	0.21
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	7	0.21
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	9	0.21
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	10	0.21
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	12	0.21
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	13	0.21
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	17	0.21
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	18	0.21
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	23	0.21
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	27	0.21
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	30	0.21
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	37	0.21
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	43	0.21
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	46	0.21
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	47	0.21
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	48	0.21
(1,80)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	49	0.21
(1,53)	1:10:A:TYR:HE1	1:27:A:CYS:HB2	31	0.21
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	6	0.21
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	9	0.21
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	10	0.21
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	11	0.21
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	22	0.21
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	25	0.21
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	33	0.21
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	39	0.21
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	44	0.21
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	6	0.21
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	10	0.21
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	11	0.21
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	19	0.21
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	20	0.21
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	21	0.21
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	26	0.21
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	31	0.21
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	39	0.21
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	40	0.21
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	44	0.21
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	45	0.21
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	9	0.2
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	15	0.2
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	32	0.2
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	40	0.2
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	40	0.2
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	44	0.2
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	44	0.2
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	25	0.2
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	32	0.2
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	8	0.2
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	9	0.2
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	36	0.2
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	5	0.2
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	28	0.2
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	39	0.2
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	5	0.2
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	12	0.2
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	10	0.2
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	15	0.2
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	31	0.2
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	37	0.2
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	34	0.2
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	34	0.2
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	12	0.2
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	12	0.2
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	19	0.2
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	23	0.2
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	25	0.2
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	4	0.2
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	14	0.2
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	32	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	19	0.2
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	37	0.2
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	12	0.2
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	46	0.2
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	43	0.2
(2,785)	1:20:A:PHE:HA	1:23:A:CYS:HB2	39	0.2
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	2	0.2
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	7	0.2
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	15	0.2
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	41	0.2
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	1	0.2
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	1	0.2
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	11	0.2
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	11	0.2
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	37	0.2
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	37	0.2
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	1	0.2
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	29	0.2
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	34	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	1	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	1	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	1	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	2	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	2	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	2	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	3	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	3	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	3	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	4	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	4	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	4	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	6	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	6	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	6	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	8	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	8	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	8	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	9	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	9	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	9	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	10	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	10	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	11	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	11	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	11	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	12	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	12	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	12	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	14	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	14	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	14	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	15	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	15	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	15	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	16	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	16	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	16	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	17	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	17	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	17	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	19	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	19	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	19	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	20	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	20	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	20	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	21	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	21	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	21	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	22	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	22	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	22	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	23	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	23	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	23	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	25	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	25	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	25	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	26	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	26	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	26	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	27	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	27	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	27	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	28	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	28	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	28	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	29	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	29	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	29	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	30	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	30	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	30	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	32	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	32	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	32	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	33	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	33	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	33	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	34	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	34	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	34	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	35	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	35	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	35	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	36	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	36	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	36	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	38	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	38	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	38	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	39	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	39	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	39	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	41	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	41	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	41	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	42	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	42	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	42	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	43	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	43	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	43	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	44	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	44	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	44	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	45	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	45	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	45	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	46	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	46	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	46	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	48	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	48	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	48	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	49	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	49	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	49	0.2
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	50	0.2
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	50	0.2
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	50	0.2
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	5	0.2
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	5	0.2
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	5	0.2
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	16	0.2
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	20	0.2
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	43	0.2
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	30	0.2
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	30	0.2
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	38	0.2
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	38	0.2
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	19	0.2
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	44	0.2
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	44	0.2
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	12	0.2
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	40	0.2
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	44	0.2
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	46	0.2
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	29	0.2
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	29	0.2
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	29	0.2
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	4	0.2
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	49	0.2
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	5	0.2
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	19	0.2
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	22	0.2
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	24	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	31	0.2
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	33	0.2
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	35	0.2
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	36	0.2
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	37	0.2
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	3	0.2
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	9	0.2
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	12	0.2
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	18	0.2
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	20	0.2
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	28	0.2
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	29	0.2
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	30	0.2
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	38	0.2
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	42	0.2
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	48	0.2
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	12	0.2
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	48	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	3	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	4	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	9	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	10	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	12	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	14	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	16	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	18	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	20	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	25	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	27	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	28	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	30	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	38	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	40	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	41	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	42	0.2
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	44	0.2
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	23	0.2
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	23	0.2
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	23	0.2
(2,671)	1:18:A:VAL:HG21	1:23:A:CYS:H	37	0.2
(2,671)	1:18:A:VAL:HG22	1:23:A:CYS:H	37	0.2
(2,671)	1:18:A:VAL:HG23	1:23:A:CYS:H	37	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	6	0.2
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	10	0.2
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	16	0.2
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	24	0.2
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	28	0.2
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	30	0.2
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	37	0.2
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	39	0.2
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	45	0.2
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	12	0.2
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	12	0.2
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	12	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	1	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	2	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	3	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	4	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	5	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	6	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	7	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	8	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	9	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	10	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	11	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	12	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	13	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	14	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	17	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	18	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	19	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	21	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	22	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	23	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	24	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	25	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	26	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	27	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	29	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	31	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	32	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	33	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	34	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	35	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	36	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	38	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	39	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	40	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	41	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	42	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	43	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	44	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	45	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	47	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	49	0.2
(2,659)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	50	0.2
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	4	0.2
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	16	0.2
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	26	0.2
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	32	0.2
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	33	0.2
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	40	0.2
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	44	0.2
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	47	0.2
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	28	0.2
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	28	0.2
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	39	0.2
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	39	0.2
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	47	0.2
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	47	0.2
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	6	0.2
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	9	0.2
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	20	0.2
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	27	0.2
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	34	0.2
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	47	0.2
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	4	0.2
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	43	0.2
(2,609)	1:5:A:GLN:H	1:4:A:GLN:H	18	0.2
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	2	0.2
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	3	0.2
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	4	0.2
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	13	0.2
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	35	0.2
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	38	0.2
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	50	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	16	0.2
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	30	0.2
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	12	0.2
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	12	0.2
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG11	43	0.2
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG12	43	0.2
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG13	43	0.2
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG11	43	0.2
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG12	43	0.2
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG13	43	0.2
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG11	43	0.2
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG12	43	0.2
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG13	43	0.2
(2,587)	1:10:A:TYR:HE1	1:24:A:TYR:HA	18	0.2
(2,587)	1:10:A:TYR:HE2	1:24:A:TYR:HA	18	0.2
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	25	0.2
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	25	0.2
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	25	0.2
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	28	0.2
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	28	0.2
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	28	0.2
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	10	0.2
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	10	0.2
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	10	0.2
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	20	0.2
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	20	0.2
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	20	0.2
(2,564)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	46	0.2
(2,564)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	46	0.2
(2,564)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	46	0.2
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	17	0.2
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	34	0.2
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	12	0.2
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	23	0.2
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	24	0.2
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	8	0.2
(2,550)	1:3:A:PRO:HD3	1:2:A:SER:HA	49	0.2
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	3	0.2
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	3	0.2
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	10	0.2
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	10	0.2
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	25	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	25	0.2
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	33	0.2
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	33	0.2
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	44	0.2
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	44	0.2
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	7	0.2
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	7	0.2
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	7	0.2
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	7	0.2
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	7	0.2
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	7	0.2
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	7	0.2
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	7	0.2
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	7	0.2
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	18	0.2
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	18	0.2
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	18	0.2
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	18	0.2
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	18	0.2
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	18	0.2
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	18	0.2
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	18	0.2
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	18	0.2
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	19	0.2
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	42	0.2
(2,530)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	42	0.2
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	32	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	6	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	6	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	6	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	15	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	15	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	15	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	24	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	24	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	24	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	29	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	29	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	29	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	34	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	34	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	34	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	41	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	41	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	41	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	46	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	46	0.2
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	46	0.2
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	3	0.2
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	3	0.2
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	3	0.2
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	12	0.2
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	12	0.2
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	12	0.2
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	38	0.2
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	38	0.2
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	38	0.2
(2,522)	1:30:A:LEU:HB3	1:30:A:LEU:HG	37	0.2
(2,521)	1:30:A:LEU:HB3	1:30:A:LEU:HA	37	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	1	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	3	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	4	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	5	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	7	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	8	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	10	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	12	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	14	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	17	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	18	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	19	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	20	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	21	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	22	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	24	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	25	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	26	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	28	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	29	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	31	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	33	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	34	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	35	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	36	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	37	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	41	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	43	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	44	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	45	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	47	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	48	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	49	0.2
(2,518)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	50	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	1	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	2	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	3	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	4	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	5	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	6	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	7	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	8	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	9	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	10	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	11	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	12	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	13	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	14	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	15	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	16	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	17	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	18	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	19	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	20	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	21	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	22	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	23	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	24	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	25	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	26	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	27	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	28	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	29	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	30	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	31	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	32	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	33	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	34	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	35	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	36	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	37	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	38	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	39	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	40	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	41	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	42	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	43	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	44	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	45	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	46	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	47	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	48	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	49	0.2
(2,506)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	50	0.2
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	5	0.2
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	28	0.2
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	30	0.2
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	30	0.2
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	38	0.2
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	38	0.2
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	25	0.2
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	32	0.2
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	42	0.2
(2,458)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	42	0.2
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	8	0.2
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	9	0.2
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	36	0.2
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	6	0.2
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	9	0.2
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	20	0.2
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	27	0.2
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	32	0.2
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	29	0.2
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	29	0.2
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	29	0.2
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	5	0.2
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	5	0.2
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	5	0.2
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	34	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	47	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	6	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	6	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	6	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	15	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	15	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	15	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	24	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	24	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	24	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	29	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	29	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	29	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	34	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	34	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	34	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	41	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	41	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	41	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	46	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	46	0.2
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	46	0.2
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	3	0.2
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	3	0.2
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	3	0.2
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	12	0.2
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	12	0.2
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	12	0.2
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	38	0.2
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	38	0.2
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	38	0.2
(2,420)	1:30:A:LEU:HB3	1:30:A:LEU:HG	37	0.2
(2,419)	1:30:A:LEU:HB3	1:30:A:LEU:HA	37	0.2
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	5	0.2
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	19	0.2
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	22	0.2
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	24	0.2
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	31	0.2
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	33	0.2
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	35	0.2
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	36	0.2
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	37	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	3	0.2
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	9	0.2
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	12	0.2
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	18	0.2
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	20	0.2
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	28	0.2
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	29	0.2
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	30	0.2
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	38	0.2
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	42	0.2
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	48	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	3	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	4	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	9	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	10	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	12	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	14	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	16	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	18	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	20	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	25	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	27	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	28	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	30	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	38	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	40	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	41	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	42	0.2
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	44	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	1	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	3	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	4	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	5	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	7	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	8	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	10	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	12	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	14	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	17	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	18	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	19	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	21	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	22	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	24	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	25	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	26	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	28	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	29	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	31	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	33	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	34	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	35	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	36	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	37	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	41	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	43	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	44	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	45	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	47	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	48	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	49	0.2
(2,402)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	50	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	1	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	2	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	3	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	4	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	5	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	6	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	7	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	8	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	9	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	10	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	11	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	12	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	13	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	14	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	15	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	16	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	17	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	18	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	19	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	20	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	21	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	22	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	23	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	24	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	25	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	26	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	27	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	28	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	29	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	30	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	31	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	32	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	33	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	34	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	35	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	36	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	37	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	38	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	39	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	40	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	41	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	42	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	43	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	44	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	45	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	46	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	47	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	48	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	49	0.2
(2,398)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	50	0.2
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	4	0.2
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	14	0.2
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	32	0.2
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	43	0.2
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG11	43	0.2
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG12	43	0.2
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG13	43	0.2
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG11	43	0.2
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG12	43	0.2
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG13	43	0.2
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG11	43	0.2
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG12	43	0.2
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG13	43	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	1	0.2
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	1	0.2
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	11	0.2
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	11	0.2
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	37	0.2
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	37	0.2
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	19	0.2
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	44	0.2
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	10	0.2
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	15	0.2
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	19	0.2
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	23	0.2
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	25	0.2
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	19	0.2
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	37	0.2
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	12	0.2
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	46	0.2
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	12	0.2
(2,287)	1:20:A:PHE:HA	1:23:A:CYS:HB2	39	0.2
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	4	0.2
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	31	0.2
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	37	0.2
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	17	0.2
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	34	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	1	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	1	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	1	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	2	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	2	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	2	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	3	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	3	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	3	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	4	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	4	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	4	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	6	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	6	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	6	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	8	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	8	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	9	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	9	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	9	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	10	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	10	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	10	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	11	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	11	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	11	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	12	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	12	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	12	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	14	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	14	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	14	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	15	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	15	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	15	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	16	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	16	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	16	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	17	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	17	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	17	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	19	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	19	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	19	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	20	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	20	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	20	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	21	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	21	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	21	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	22	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	22	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	22	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	23	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	23	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	23	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	25	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	25	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	25	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	26	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	26	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	26	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	27	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	27	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	27	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	28	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	28	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	28	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	29	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	29	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	29	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	30	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	30	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	30	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	32	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	32	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	32	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	33	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	33	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	33	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	34	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	34	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	34	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	35	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	35	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	35	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	36	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	36	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	36	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	38	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	38	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	38	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	39	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	39	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	39	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	41	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	41	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	41	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	42	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	42	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	42	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	43	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	43	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	43	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	44	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	44	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	44	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	45	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	45	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	45	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	46	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	46	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	46	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	48	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	48	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	48	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	49	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	49	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	49	0.2
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	50	0.2
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	50	0.2
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	50	0.2
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	7	0.2
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	7	0.2
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	7	0.2
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	7	0.2
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	7	0.2
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	7	0.2
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	7	0.2
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	7	0.2
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	7	0.2
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	18	0.2
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	18	0.2
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	18	0.2
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	18	0.2
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	18	0.2
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	18	0.2
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	18	0.2
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	18	0.2
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	18	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	1	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	2	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	4	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	5	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	6	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	7	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	8	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	9	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	10	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	11	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	12	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	13	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	14	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	17	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	18	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	19	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	21	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	22	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	23	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	24	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	25	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	26	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	27	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	29	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	31	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	32	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	33	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	34	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	35	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	36	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	38	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	39	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	40	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	41	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	42	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	43	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	44	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	45	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	47	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	49	0.2
(2,231)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	50	0.2
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	19	0.2
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	4	0.2
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	49	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	12	0.2
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	16	0.2
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	20	0.2
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	43	0.2
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	12	0.2
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	6	0.2
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	10	0.2
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	16	0.2
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	24	0.2
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	28	0.2
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	30	0.2
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	37	0.2
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	39	0.2
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	45	0.2
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	4	0.2
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	16	0.2
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	26	0.2
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	32	0.2
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	33	0.2
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	40	0.2
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	44	0.2
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	47	0.2
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	12	0.2
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	40	0.2
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	44	0.2
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	46	0.2
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	9	0.2
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	15	0.2
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	32	0.2
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	1	0.2
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	29	0.2
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	34	0.2
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	16	0.2
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	30	0.2
(2,144)	1:10:A:TYR:HE1	1:24:A:TYR:HA	18	0.2
(2,144)	1:10:A:TYR:HE2	1:24:A:TYR:HA	18	0.2
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	43	0.2
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	2	0.2
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	3	0.2
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	4	0.2
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	13	0.2
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	35	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	38	0.2
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	50	0.2
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	2	0.2
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	7	0.2
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	15	0.2
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	41	0.2
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	40	0.2
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	40	0.2
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	44	0.2
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	44	0.2
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	10	0.2
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	10	0.2
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	10	0.2
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	20	0.2
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	20	0.2
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	20	0.2
(2,65)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	46	0.2
(2,65)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	46	0.2
(2,65)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	46	0.2
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	12	0.2
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	23	0.2
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	24	0.2
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	44	0.2
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	28	0.2
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	28	0.2
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	39	0.2
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	39	0.2
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	47	0.2
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	47	0.2
(2,36)	1:5:A:GLN:H	1:4:A:GLN:H	18	0.2
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	5	0.2
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	12	0.2
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	34	0.2
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	34	0.2
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	12	0.2
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	12	0.2
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	8	0.2
(2,7)	1:3:A:PRO:HD3	1:2:A:SER:HA	49	0.2
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	39	0.2
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	3	0.2
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	3	0.2
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	10	0.2
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	25	0.2
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	25	0.2
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	33	0.2
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	33	0.2
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	44	0.2
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	44	0.2
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	5	0.2
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	45	0.2
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	16	0.2
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	16	0.2
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	16	0.2
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	2	0.2
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	15	0.2
(1,955)	1:18:A:VAL:HG22	1:22:A:GLN:HB3	32	0.2
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	9	0.2
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	15	0.2
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	32	0.2
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	25	0.2
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	32	0.2
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	8	0.2
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	9	0.2
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	36	0.2
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	5	0.2
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	28	0.2
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	39	0.2
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	5	0.2
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	12	0.2
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	10	0.2
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	15	0.2
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	31	0.2
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	37	0.2
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	12	0.2
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	12	0.2
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	19	0.2
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	23	0.2
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	25	0.2
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	4	0.2
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	14	0.2
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	32	0.2
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	22	0.2
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	37	0.2
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	12	0.2
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	46	0.2
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	43	0.2
(1,760)	1:20:A:PHE:HA	1:23:A:CYS:HB2	39	0.2
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	2	0.2
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	7	0.2
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	15	0.2
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	41	0.2
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	1	0.2
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	29	0.2
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	34	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	1	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	1	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	1	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	2	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	2	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	2	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	3	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	3	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	3	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	4	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	4	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	4	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	6	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	6	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	6	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	8	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	8	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	8	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	9	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	9	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	9	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	10	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	10	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	10	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	11	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	11	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	11	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	12	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	12	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	14	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	14	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	14	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	15	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	15	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	15	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	16	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	16	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	16	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	17	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	17	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	17	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	19	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	19	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	19	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	20	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	20	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	20	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	21	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	21	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	21	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	22	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	22	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	22	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	23	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	23	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	23	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	25	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	25	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	25	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	26	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	26	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	26	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	27	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	27	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	27	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	28	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	28	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	28	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	29	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	29	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	29	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	30	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	30	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	30	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	32	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	32	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	32	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	33	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	33	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	33	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	34	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	34	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	34	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	35	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	35	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	35	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	36	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	36	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	36	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	38	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	38	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	38	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	39	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	39	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	39	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	41	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	41	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	41	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	42	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	42	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	42	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	43	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	43	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	43	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	44	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	44	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	44	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	45	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	45	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	45	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	46	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	46	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	46	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	48	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	48	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	48	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	49	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	49	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	49	0.2
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	50	0.2
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	50	0.2
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	50	0.2
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	5	0.2
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	5	0.2
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	5	0.2
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	16	0.2
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	20	0.2
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	43	0.2
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	19	0.2
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	44	0.2
(1,681)	1:4:A:GLN:HG3	1:4:A:GLN:H	38	0.2
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	44	0.2
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	12	0.2
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	40	0.2
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	44	0.2
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	46	0.2
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	29	0.2
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	29	0.2
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	29	0.2
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	4	0.2
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	49	0.2
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	5	0.2
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	19	0.2
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	22	0.2
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	24	0.2
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	31	0.2
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	33	0.2
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	35	0.2
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	36	0.2
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	37	0.2
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	3	0.2
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	9	0.2
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	12	0.2
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	18	0.2
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	28	0.2
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	29	0.2
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	30	0.2
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	38	0.2
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	42	0.2
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	48	0.2
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	12	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	3	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	4	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	9	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	10	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	12	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	14	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	16	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	18	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	20	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	25	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	27	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	28	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	30	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	38	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	40	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	41	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	42	0.2
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	44	0.2
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	6	0.2
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	10	0.2
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	16	0.2
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	24	0.2
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	28	0.2
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	30	0.2
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	37	0.2
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	39	0.2
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	45	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	1	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	2	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	3	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	4	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	5	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	6	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	7	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	9	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	10	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	11	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	12	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	13	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	14	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	17	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	18	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	19	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	21	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	22	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	23	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	24	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	25	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	26	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	27	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	29	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	31	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	32	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	33	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	34	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	35	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	36	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	38	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	39	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	40	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	41	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	42	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	43	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	44	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	45	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	47	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	49	0.2
(1,640)	1:17:A:LYS:HD2	1:17:A:LYS:HD3	50	0.2
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	4	0.2
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	16	0.2
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	26	0.2
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	32	0.2
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	33	0.2
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	40	0.2
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	44	0.2
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	47	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	6	0.2
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	9	0.2
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	20	0.2
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	27	0.2
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	34	0.2
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	47	0.2
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	4	0.2
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	43	0.2
(1,592)	1:5:A:GLN:H	1:4:A:GLN:H	18	0.2
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	2	0.2
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	3	0.2
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	4	0.2
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	13	0.2
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	35	0.2
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	38	0.2
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	50	0.2
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	16	0.2
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	30	0.2
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG11	43	0.2
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG12	43	0.2
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG13	43	0.2
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG11	43	0.2
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG12	43	0.2
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG13	43	0.2
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG11	43	0.2
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG12	43	0.2
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG13	43	0.2
(1,571)	1:10:A:TYR:HE1	1:24:A:TYR:HA	18	0.2
(1,571)	1:10:A:TYR:HE2	1:24:A:TYR:HA	18	0.2
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	10	0.2
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	10	0.2
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	10	0.2
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	20	0.2
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	20	0.2
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	20	0.2
(1,554)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	46	0.2
(1,554)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	46	0.2
(1,554)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	46	0.2
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	17	0.2
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	34	0.2
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	12	0.2
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	23	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	24	0.2
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	8	0.2
(1,540)	1:3:A:PRO:HD3	1:2:A:SER:HA	49	0.2
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	7	0.2
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	7	0.2
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	7	0.2
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	7	0.2
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	7	0.2
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	7	0.2
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	7	0.2
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	7	0.2
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	7	0.2
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	18	0.2
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	18	0.2
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	18	0.2
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	18	0.2
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	18	0.2
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	18	0.2
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	18	0.2
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	18	0.2
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	18	0.2
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	19	0.2
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	32	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	6	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	6	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	6	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	15	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	15	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	15	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	24	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	24	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	24	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	29	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	29	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	29	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	34	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	34	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	34	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	41	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	41	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	41	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	46	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	46	0.2
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	46	0.2
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	3	0.2
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	3	0.2
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	3	0.2
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	12	0.2
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	12	0.2
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	12	0.2
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	38	0.2
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	38	0.2
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	38	0.2
(1,512)	1:30:A:LEU:HB3	1:30:A:LEU:HG	37	0.2
(1,511)	1:30:A:LEU:HB3	1:30:A:LEU:HA	37	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	1	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	3	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	4	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	5	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	7	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	8	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	10	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	12	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	14	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	17	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	18	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	19	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	20	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	21	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	22	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	24	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	25	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	26	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	28	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	29	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	31	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	33	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	34	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	35	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	36	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	37	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	41	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	43	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	44	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	45	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	47	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	48	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	49	0.2
(1,508)	1:29:A:PRO:HB3	1:29:A:PRO:HG3	50	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	1	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	2	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	3	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	4	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	5	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	6	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	7	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	8	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	9	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	10	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	11	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	12	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	13	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	14	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	15	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	16	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	17	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	18	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	19	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	20	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	21	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	22	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	23	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	24	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	25	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	26	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	27	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	28	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	29	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	30	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	31	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	32	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	33	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	34	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	35	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	36	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	37	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	38	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	39	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	40	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	41	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	42	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	43	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	44	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	45	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	46	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	47	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	48	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	49	0.2
(1,496)	1:29:A:PRO:HD2	1:29:A:PRO:HD3	50	0.2
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	8	0.2
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	20	0.2
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	35	0.2
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	43	0.2
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	46	0.2
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	47	0.2
(1,439)	1:6:A:ALA:HB2	1:31:A:GLU:HB3	10	0.2
(1,439)	1:6:A:ALA:HB2	1:31:A:GLU:HB3	20	0.2
(1,439)	1:6:A:ALA:HB3	1:31:A:GLU:HB3	43	0.2
(1,438)	1:6:A:ALA:HB2	1:31:A:GLU:H	43	0.2
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG12	35	0.2
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG12	50	0.2
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	48	0.2
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	22	0.2
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	37	0.2
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE1	36	0.2
(1,320)	1:28:A:SER:H	1:28:A:SER:HB3	26	0.2
(1,301)	1:14:A:ASN:H	1:14:A:ASN:HB3	4	0.2
(1,301)	1:14:A:ASN:H	1:14:A:ASN:HB3	29	0.2
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	1	0.2
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	33	0.2
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	19	0.2
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	34	0.2
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	1	0.2
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	26	0.2
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	27	0.2
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	29	0.2
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	33	0.2
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	34	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	37	0.2
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	38	0.2
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	45	0.2
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	47	0.2
(1,193)	1:13:A:CYS:HA	1:18:A:VAL:HG21	37	0.2
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	5	0.2
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	10	0.2
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG11	22	0.2
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG12	44	0.2
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG21	12	0.2
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	45	0.2
(1,170)	1:31:A:GLU:HA	1:6:A:ALA:HB1	10	0.2
(1,170)	1:31:A:GLU:HA	1:6:A:ALA:HB1	27	0.2
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	18	0.2
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	8	0.2
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	11	0.2
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	12	0.2
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	22	0.2
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	33	0.2
(1,85)	1:24:A:TYR:HE2	1:24:A:TYR:HB3	6	0.2
(1,85)	1:24:A:TYR:HE1	1:24:A:TYR:HB3	28	0.2
(1,82)	1:24:A:TYR:HD1	1:28:A:SER:HB3	39	0.2
(1,80)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	31	0.2
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	1	0.2
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	4	0.2
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	5	0.2
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	7	0.2
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	14	0.2
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	16	0.2
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	19	0.2
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	24	0.2
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	26	0.2
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	29	0.2
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	32	0.2
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	35	0.2
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	36	0.2
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	40	0.2
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	41	0.2
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	42	0.2
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	46	0.2
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	47	0.2
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	48	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:10:A:TYR:HE2	1:10:A:TYR:HB2	33	0.2
(1,49)	1:10:A:TYR:HE1	1:10:A:TYR:HB2	43	0.2
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	21	0.2
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	13	0.19
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	29	0.19
(2,922)	1:10:A:TYR:HD1	1:10:A:TYR:H	18	0.19
(2,922)	1:10:A:TYR:HD2	1:10:A:TYR:H	18	0.19
(2,922)	1:10:A:TYR:HD1	1:10:A:TYR:H	50	0.19
(2,922)	1:10:A:TYR:HD2	1:10:A:TYR:H	50	0.19
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	7	0.19
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	7	0.19
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	10	0.19
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	10	0.19
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	7	0.19
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	21	0.19
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	33	0.19
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	39	0.19
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	50	0.19
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	34	0.19
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	17	0.19
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	33	0.19
(2,899)	1:2:A:SER:HA	1:2:A:SER:HB2	15	0.19
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	40	0.19
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	49	0.19
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	4	0.19
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	25	0.19
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	42	0.19
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	14	0.19
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	49	0.19
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	1	0.19
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	22	0.19
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	25	0.19
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	21	0.19
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	3	0.19
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	7	0.19
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	21	0.19
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	27	0.19
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	32	0.19
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	42	0.19
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	48	0.19
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	27	0.19
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	40	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,841)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	40	0.19
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	47	0.19
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	10	0.19
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	13	0.19
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	43	0.19
(2,785)	1:20:A:PHE:HA	1:23:A:CYS:HB2	26	0.19
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	32	0.19
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	46	0.19
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	19	0.19
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	19	0.19
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	35	0.19
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	35	0.19
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	44	0.19
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	44	0.19
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	3	0.19
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	12	0.19
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	14	0.19
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	35	0.19
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	36	0.19
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	39	0.19
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	39	0.19
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	5	0.19
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	5	0.19
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	5	0.19
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	13	0.19
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	13	0.19
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	13	0.19
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	18	0.19
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	18	0.19
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	18	0.19
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	24	0.19
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	24	0.19
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	24	0.19
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	31	0.19
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	31	0.19
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	31	0.19
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	37	0.19
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	37	0.19
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	37	0.19
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	40	0.19
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	40	0.19
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	40	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	39	0.19
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	39	0.19
(2,734)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	39	0.19
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	45	0.19
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	37	0.19
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	37	0.19
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	1	0.19
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	39	0.19
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	14	0.19
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	14	0.19
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	14	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	1	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	2	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	3	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	6	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	7	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	8	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	11	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	13	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	16	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	17	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	20	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	21	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	23	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	26	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	27	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	28	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	29	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	30	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	32	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	34	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	39	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	41	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	42	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	43	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	45	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	46	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	48	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	49	0.19
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	50	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	2	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	7	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	8	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	11	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	16	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	17	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	22	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	26	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	27	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	32	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	34	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	43	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	45	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	49	0.19
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	50	0.19
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	28	0.19
(2,676)	1:13:A:CYS:HB3	1:14:A:ASN:H	5	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	2	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	6	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	7	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	8	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	11	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	13	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	17	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	19	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	23	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	29	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	32	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	36	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	39	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	45	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	46	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	48	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	49	0.19
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	50	0.19
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	43	0.19
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	27	0.19
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	40	0.19
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	40	0.19
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	3	0.19
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	11	0.19
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	13	0.19
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	8	0.19
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	21	0.19
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	27	0.19
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	9	0.19
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	24	0.19
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	26	0.19
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	8	0.19
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	40	0.19
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	28	0.19
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	31	0.19
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	1	0.19
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	22	0.19
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	34	0.19
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	45	0.19
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	47	0.19
(2,607)	1:30:A:LEU:H	1:31:A:GLU:H	44	0.19
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	43	0.19
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	1	0.19
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	1	0.19
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	15	0.19
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	15	0.19
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	40	0.19
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	40	0.19
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	5	0.19
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	37	0.19
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	37	0.19
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	37	0.19
(2,579)	1:22:A:GLN:HB2	1:18:A:VAL:HG21	31	0.19
(2,579)	1:22:A:GLN:HB2	1:18:A:VAL:HG22	31	0.19
(2,579)	1:22:A:GLN:HB2	1:18:A:VAL:HG23	31	0.19
(2,579)	1:22:A:GLN:HB3	1:18:A:VAL:HG21	31	0.19
(2,579)	1:22:A:GLN:HB3	1:18:A:VAL:HG22	31	0.19
(2,579)	1:22:A:GLN:HB3	1:18:A:VAL:HG23	31	0.19
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	36	0.19
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	36	0.19
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	36	0.19
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	22	0.19
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	24	0.19
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	29	0.19
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	38	0.19
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	46	0.19
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	48	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	3	0.19
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	16	0.19
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	36	0.19
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	34	0.19
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	34	0.19
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	39	0.19
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	39	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	12	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	12	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	12	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	12	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	12	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	12	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	12	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	12	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	12	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	14	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	14	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	14	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	14	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	14	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	14	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	14	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	14	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	14	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	26	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	26	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	26	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	26	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	26	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	26	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	26	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	26	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	26	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	30	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	30	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	30	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	30	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	30	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	30	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	30	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	30	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	30	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	34	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	34	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	34	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	34	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	34	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	34	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	34	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	34	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	34	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	39	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	39	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	39	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	39	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	39	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	39	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	39	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	39	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	39	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	47	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	47	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	47	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	47	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	47	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	47	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	47	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	47	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	47	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	49	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	49	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	49	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	49	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	49	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	49	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	49	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	49	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	49	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	50	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	50	0.19
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	50	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	50	0.19
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	50	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	50	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	50	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	50	0.19
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	50	0.19
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	11	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	1	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	1	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	1	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	7	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	7	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	7	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	11	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	11	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	11	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	32	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	32	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	32	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	48	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	48	0.19
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	48	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	9	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	9	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	9	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	14	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	14	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	14	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	17	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	17	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	17	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	20	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	20	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	20	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	22	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	22	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	22	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	26	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	26	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	26	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	27	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	27	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	27	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	35	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	35	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	35	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	43	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	43	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	43	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	50	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	50	0.19
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	50	0.19
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	17	0.19
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	33	0.19
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	37	0.19
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	37	0.19
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	7	0.19
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	10	0.19
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	13	0.19
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	43	0.19
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	21	0.19
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	33	0.19
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	39	0.19
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	50	0.19
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	3	0.19
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	11	0.19
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	13	0.19
(2,436)	1:30:A:LEU:H	1:31:A:GLU:H	44	0.19
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	39	0.19
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	39	0.19
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	39	0.19
(2,433)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	39	0.19
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	6	0.19
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	8	0.19
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	21	0.19
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	27	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	1	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	1	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	1	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	7	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	7	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	7	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	11	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	11	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	11	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	32	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	32	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	32	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	48	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	48	0.19
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	48	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	9	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	9	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	9	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	14	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	14	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	14	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	17	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	17	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	17	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	20	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	20	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	20	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	22	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	22	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	22	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	26	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	26	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	26	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	27	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	27	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	27	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	35	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	35	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	35	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	43	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	43	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	43	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	50	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	50	0.19
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	50	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	1	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	2	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	3	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	6	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	7	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	8	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	13	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	16	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	17	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	20	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	21	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	23	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	26	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	27	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	28	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	29	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	30	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	32	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	34	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	39	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	41	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	42	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	43	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	45	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	46	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	48	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	49	0.19
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	50	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	2	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	6	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	7	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	8	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	11	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	16	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	17	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	22	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	26	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	27	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	32	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	34	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	43	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	45	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	49	0.19
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	50	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	2	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	6	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	7	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	11	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	13	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	17	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	19	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	23	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	29	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	32	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	36	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	39	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	45	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	46	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	48	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	49	0.19
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	50	0.19
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	24	0.19
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	26	0.19
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	27	0.19
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	19	0.19
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	19	0.19
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	35	0.19
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	35	0.19
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	44	0.19
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	44	0.19
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	14	0.19
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	14	0.19
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	14	0.19
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	4	0.19
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	25	0.19
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	42	0.19
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	3	0.19
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	7	0.19
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	21	0.19
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	27	0.19
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	32	0.19
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	42	0.19
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	48	0.19
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	5	0.19
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	1	0.19
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	22	0.19
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	25	0.19
(2,300)	1:22:A:GLN:HB2	1:18:A:VAL:HG21	31	0.19
(2,300)	1:22:A:GLN:HB2	1:18:A:VAL:HG22	31	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,300)	1:22:A:GLN:HB2	1:18:A:VAL:HG23	31	0.19
(2,300)	1:22:A:GLN:HB3	1:18:A:VAL:HG21	31	0.19
(2,300)	1:22:A:GLN:HB3	1:18:A:VAL:HG22	31	0.19
(2,300)	1:22:A:GLN:HB3	1:18:A:VAL:HG23	31	0.19
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	28	0.19
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	31	0.19
(2,287)	1:20:A:PHE:HA	1:23:A:CYS:HB2	26	0.19
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	9	0.19
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	40	0.19
(2,269)	1:19:A:PRO:HD2	1:22:A:GLN:HB3	40	0.19
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	22	0.19
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	24	0.19
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	29	0.19
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	38	0.19
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	46	0.19
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	48	0.19
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	5	0.19
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	5	0.19
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	5	0.19
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	13	0.19
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	13	0.19
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	13	0.19
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	18	0.19
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	18	0.19
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	18	0.19
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	24	0.19
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	24	0.19
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	24	0.19
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	31	0.19
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	31	0.19
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	31	0.19
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	37	0.19
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	37	0.19
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	37	0.19
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	40	0.19
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	40	0.19
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	40	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	12	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	12	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	12	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	12	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	12	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	12	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	12	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	12	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	14	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	14	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	14	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	14	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	14	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	14	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	14	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	14	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	14	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	26	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	26	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	26	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	26	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	26	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	26	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	26	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	26	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	26	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	30	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	30	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	30	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	30	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	30	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	30	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	30	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	30	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	30	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	34	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	34	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	34	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	34	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	34	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	34	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	34	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	34	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	34	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	39	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	39	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	39	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	39	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	39	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	39	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	39	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	39	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	39	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	47	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	47	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	47	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	47	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	47	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	47	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	47	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	47	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	47	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	49	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	49	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	49	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	49	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	49	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	49	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	49	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	49	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	49	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	50	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	50	0.19
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	50	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	50	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	50	0.19
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	50	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	50	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	50	0.19
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	50	0.19
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	47	0.19
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	11	0.19
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	21	0.19
(2,190)	1:13:A:CYS:HB3	1:14:A:ASN:H	5	0.19
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	14	0.19
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	49	0.19
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	45	0.19
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	40	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	28	0.19
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	43	0.19
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	27	0.19
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	34	0.19
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	13	0.19
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	29	0.19
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	3	0.19
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	12	0.19
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	14	0.19
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	35	0.19
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	36	0.19
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	39	0.19
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	43	0.19
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	8	0.19
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	40	0.19
(2,138)	1:10:A:TYR:HD1	1:10:A:TYR:H	18	0.19
(2,138)	1:10:A:TYR:HD2	1:10:A:TYR:H	18	0.19
(2,138)	1:10:A:TYR:HD1	1:10:A:TYR:H	50	0.19
(2,138)	1:10:A:TYR:HD2	1:10:A:TYR:H	50	0.19
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	1	0.19
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	22	0.19
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	34	0.19
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	45	0.19
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	47	0.19
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	32	0.19
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	46	0.19
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	7	0.19
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	7	0.19
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	10	0.19
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	10	0.19
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	36	0.19
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	36	0.19
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	36	0.19
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	3	0.19
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	1	0.19
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	39	0.19
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	40	0.19
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	40	0.19
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	49	0.19
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	1	0.19
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	1	0.19
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	15	0.19
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	40	0.19
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	40	0.19
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	16	0.19
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	36	0.19
(2,6)	1:2:A:SER:HA	1:2:A:SER:HB2	15	0.19
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	34	0.19
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	34	0.19
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	39	0.19
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	39	0.19
(1,1041)	1:22:A:GLN:HG3	1:25:A:GLN:H	50	0.19
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	4	0.19
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	21	0.19
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	26	0.19
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	32	0.19
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	34	0.19
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	40	0.19
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	46	0.19
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	47	0.19
(1,1027)	1:30:A:LEU:HB3	1:30:A:LEU:HG	42	0.19
(1,955)	1:18:A:VAL:HG22	1:22:A:GLN:HB3	14	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	1	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	4	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	11	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	12	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	14	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	22	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	31	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	35	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	36	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	38	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	42	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	47	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	48	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	49	0.19
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	50	0.19
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	13	0.19
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	29	0.19
(1,896)	1:10:A:TYR:HD1	1:10:A:TYR:H	18	0.19
(1,896)	1:10:A:TYR:HD2	1:10:A:TYR:H	18	0.19
(1,896)	1:10:A:TYR:HD1	1:10:A:TYR:H	50	0.19
(1,896)	1:10:A:TYR:HD2	1:10:A:TYR:H	50	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	7	0.19
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	21	0.19
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	33	0.19
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	39	0.19
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	50	0.19
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	34	0.19
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	17	0.19
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	33	0.19
(1,873)	1:2:A:SER:HA	1:2:A:SER:HB2	15	0.19
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	40	0.19
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	49	0.19
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	4	0.19
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	25	0.19
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	42	0.19
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	14	0.19
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	49	0.19
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	1	0.19
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	22	0.19
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	25	0.19
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	21	0.19
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	3	0.19
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	7	0.19
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	21	0.19
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	27	0.19
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	32	0.19
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	42	0.19
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	48	0.19
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	27	0.19
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	47	0.19
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	10	0.19
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	13	0.19
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	43	0.19
(1,760)	1:20:A:PHE:HA	1:23:A:CYS:HB2	26	0.19
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	32	0.19
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	46	0.19
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	3	0.19
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	12	0.19
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	14	0.19
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	35	0.19
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	36	0.19
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	39	0.19
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	39	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	5	0.19
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	5	0.19
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	5	0.19
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	13	0.19
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	13	0.19
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	13	0.19
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	18	0.19
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	18	0.19
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	18	0.19
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	24	0.19
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	24	0.19
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	24	0.19
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	31	0.19
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	31	0.19
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	31	0.19
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	37	0.19
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	37	0.19
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	37	0.19
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	40	0.19
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	40	0.19
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	40	0.19
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	39	0.19
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	39	0.19
(1,710)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	39	0.19
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	45	0.19
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	1	0.19
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	39	0.19
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	14	0.19
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	14	0.19
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	14	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	1	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	2	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	3	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	6	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	7	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	8	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	11	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	13	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	16	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	17	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	20	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	21	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	23	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	26	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	27	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	28	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	29	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	30	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	32	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	34	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	39	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	41	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	42	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	43	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	45	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	46	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	48	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	49	0.19
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	50	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	2	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	6	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	7	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	8	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	11	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	16	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	17	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	22	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	26	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	27	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	32	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	34	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	43	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	45	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	49	0.19
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	50	0.19
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	28	0.19
(1,653)	1:13:A:CYS:HB3	1:14:A:ASN:H	5	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	2	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	6	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	7	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	8	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	11	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	13	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	19	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	23	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	29	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	32	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	36	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	39	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	45	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	46	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	48	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	49	0.19
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	50	0.19
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	43	0.19
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	27	0.19
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	3	0.19
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	11	0.19
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	13	0.19
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	6	0.19
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	8	0.19
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	21	0.19
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	27	0.19
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	9	0.19
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	24	0.19
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	26	0.19
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	8	0.19
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	40	0.19
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	28	0.19
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	31	0.19
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	1	0.19
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	22	0.19
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	34	0.19
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	45	0.19
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	47	0.19
(1,590)	1:30:A:LEU:H	1:31:A:GLU:H	44	0.19
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	43	0.19
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	5	0.19
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	36	0.19
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	36	0.19
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	36	0.19
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	22	0.19
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	24	0.19
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	29	0.19
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	38	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	46	0.19
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	48	0.19
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	3	0.19
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	16	0.19
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	36	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	12	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	12	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	12	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	12	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	12	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	12	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	12	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	12	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	12	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	14	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	14	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	14	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	14	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	14	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	14	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	14	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	14	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	14	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	26	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	26	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	26	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	26	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	26	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	26	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	26	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	26	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	26	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	30	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	30	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	30	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	30	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	30	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	30	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	30	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	30	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	30	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	34	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	34	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	34	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	34	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	34	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	34	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	34	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	34	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	34	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	39	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	39	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	39	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	39	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	39	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	39	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	39	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	39	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	39	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	47	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	47	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	47	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	47	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	47	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	47	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	47	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	47	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	47	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	49	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	49	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	49	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	49	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	49	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	49	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	49	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	49	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	49	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	50	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	50	0.19
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	50	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	50	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	50	0.19
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	50	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	50	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	50	0.19
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	50	0.19
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	11	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	1	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	1	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	1	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	7	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	7	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	7	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	11	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	11	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	11	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	32	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	32	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	32	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	48	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	48	0.19
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	48	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	9	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	9	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	9	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	14	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	14	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	14	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	17	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	17	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	17	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	20	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	20	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	20	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	22	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	22	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	22	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	26	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	26	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	26	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	27	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	27	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	27	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	35	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	35	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	35	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	43	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	43	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	43	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	50	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	50	0.19
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	50	0.19
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	27	0.19
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	30	0.19
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	34	0.19
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	45	0.19
(1,439)	1:6:A:ALA:HB1	1:31:A:GLU:HB3	15	0.19
(1,439)	1:6:A:ALA:HB3	1:31:A:GLU:HB3	38	0.19
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG12	3	0.19
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	13	0.19
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	33	0.19
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	26	0.19
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	45	0.19
(1,320)	1:28:A:SER:H	1:28:A:SER:HB3	5	0.19
(1,320)	1:28:A:SER:H	1:28:A:SER:HB3	20	0.19
(1,320)	1:28:A:SER:H	1:28:A:SER:HB3	21	0.19
(1,320)	1:28:A:SER:H	1:28:A:SER:HB3	45	0.19
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	1	0.19
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	9	0.19
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	13	0.19
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	13	0.19
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	3	0.19
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	10	0.19
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	37	0.19
(1,252)	1:2:A:SER:H	1:3:A:PRO:HG3	34	0.19
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	7	0.19
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	22	0.19
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	41	0.19
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	41	0.19
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG21	35	0.19
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG23	49	0.19
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG13	38	0.19
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG12	41	0.19
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	15	0.19
(1,167)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	25	0.19
(1,165)	1:9:A:CYS:HB3	1:30:A:LEU:HD13	18	0.19
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB2	34	0.19
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG12	22	0.19
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG12	50	0.19
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	35	0.19
(1,111)	1:30:A:LEU:HD22	1:30:A:LEU:HA	46	0.19
(1,84)	1:24:A:TYR:HE2	1:28:A:SER:HB3	45	0.19
(1,83)	1:24:A:TYR:HE2	1:28:A:SER:HB2	43	0.19
(1,82)	1:24:A:TYR:HD1	1:28:A:SER:HB3	49	0.19
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	28	0.19
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	2	0.19
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	8	0.19
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	27	0.19
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	49	0.19
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	5	0.19
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	19	0.19
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	21	0.19
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	22	0.19
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	24	0.19
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	26	0.19
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	33	0.19
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	34	0.19
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	35	0.19
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	37	0.19
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	49	0.19
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	50	0.19
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	1	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	2	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	3	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	4	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	5	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	6	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	7	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	8	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	9	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	10	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	11	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	12	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	13	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	14	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	15	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	16	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	17	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	19	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	20	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	21	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	22	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	23	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	24	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	25	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	26	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	27	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	28	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	29	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	30	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	31	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	32	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	33	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	34	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	35	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	36	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	37	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	38	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	39	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	40	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	41	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	42	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	43	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	44	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	45	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	46	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	47	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	48	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	49	0.18
(2,941)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	50	0.18
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	28	0.18
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	47	0.18
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	31	0.18
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	31	0.18
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	31	0.18
(2,918)	1:12:A:GLN:HB2	1:12:A:GLN:HA	49	0.18
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	13	0.18
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	13	0.18
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	4	0.18
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	34	0.18
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	6	0.18
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	19	0.18
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	21	0.18
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	24	0.18
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	30	0.18
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	38	0.18
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	39	0.18
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	18	0.18
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	39	0.18
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	24	0.18
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	29	0.18
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	43	0.18
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	21	0.18
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	21	0.18
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	21	0.18
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	42	0.18
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	42	0.18
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	42	0.18
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	10	0.18
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	30	0.18
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	34	0.18
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	35	0.18
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	42	0.18
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	50	0.18
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	32	0.18
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	49	0.18
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	11	0.18
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	19	0.18
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	36	0.18
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	41	0.18
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	42	0.18
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	43	0.18
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	4	0.18
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	4	0.18
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	38	0.18
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	12	0.18
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	10	0.18
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	15	0.18
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	18	0.18
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	30	0.18
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	38	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	30	0.18
(2,836)	1:23:A:CYS:HA	1:23:A:CYS:H	40	0.18
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	18	0.18
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	40	0.18
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	7	0.18
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	18	0.18
(2,796)	1:23:A:CYS:HB3	1:23:A:CYS:H	50	0.18
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	36	0.18
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	38	0.18
(2,777)	1:5:A:GLN:HA	1:8:A:TYR:H	40	0.18
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	9	0.18
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	28	0.18
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	17	0.18
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	17	0.18
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	31	0.18
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	31	0.18
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	34	0.18
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	34	0.18
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	40	0.18
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	40	0.18
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	20	0.18
(2,739)	1:18:A:VAL:HG21	1:18:A:VAL:HB	7	0.18
(2,739)	1:18:A:VAL:HG22	1:18:A:VAL:HB	7	0.18
(2,739)	1:18:A:VAL:HG23	1:18:A:VAL:HB	7	0.18
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	9	0.18
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	11	0.18
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	24	0.18
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	24	0.18
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	30	0.18
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	19	0.18
(2,702)	1:28:A:SER:HB2	1:28:A:SER:H	16	0.18
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	16	0.18
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	16	0.18
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	16	0.18
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	4	0.18
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	9	0.18
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	10	0.18
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	12	0.18
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	14	0.18
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	15	0.18
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	18	0.18
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	25	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	38	0.18
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	40	0.18
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	44	0.18
(2,686)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	47	0.18
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	1	0.18
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	13	0.18
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	19	0.18
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	21	0.18
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	31	0.18
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	33	0.18
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	35	0.18
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	36	0.18
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	39	0.18
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	40	0.18
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	46	0.18
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	33	0.18
(2,675)	1:13:A:CYS:HB2	1:18:A:VAL:HB	50	0.18
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	1	0.18
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	21	0.18
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	22	0.18
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	24	0.18
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	26	0.18
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	31	0.18
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	33	0.18
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	34	0.18
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	35	0.18
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	43	0.18
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	48	0.18
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	1	0.18
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	26	0.18
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	41	0.18
(2,655)	1:14:A:ASN:HB2	1:14:A:ASN:H	11	0.18
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	43	0.18
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	43	0.18
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	26	0.18
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	46	0.18
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	48	0.18
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	50	0.18
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	1	0.18
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	2	0.18
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	9	0.18
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	14	0.18
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	29	0.18
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	40	0.18
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	43	0.18
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	48	0.18
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	50	0.18
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	2	0.18
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	8	0.18
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	38	0.18
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	5	0.18
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	22	0.18
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	33	0.18
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	49	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	1	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	1	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	1	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	2	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	2	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	2	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	3	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	3	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	3	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	4	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	4	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	4	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	5	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	5	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	5	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	6	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	6	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	6	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	7	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	7	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	7	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	8	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	8	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	8	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	9	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	9	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	9	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	10	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	10	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	11	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	11	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	11	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	12	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	12	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	12	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	13	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	13	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	13	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	14	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	14	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	14	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	15	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	15	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	15	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	16	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	16	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	16	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	17	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	17	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	17	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	18	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	18	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	18	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	19	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	19	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	19	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	20	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	20	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	20	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	21	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	21	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	21	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	22	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	22	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	22	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	23	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	23	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	23	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	24	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	24	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	24	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	25	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	25	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	25	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	26	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	26	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	26	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	27	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	27	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	27	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	28	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	28	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	28	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	29	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	29	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	29	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	30	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	30	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	30	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	31	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	31	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	31	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	32	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	32	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	32	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	33	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	33	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	33	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	34	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	34	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	34	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	35	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	35	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	35	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	36	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	36	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	36	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	37	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	37	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	37	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	38	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	38	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	38	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	39	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	39	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	39	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	40	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	40	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	40	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	41	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	41	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	41	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	42	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	42	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	42	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	43	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	43	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	43	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	44	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	44	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	44	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	45	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	45	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	45	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	46	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	46	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	46	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	47	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	47	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	47	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	48	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	48	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	48	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	49	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	49	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	49	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD21	50	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD22	50	0.18
(2,628)	1:30:A:LEU:HG	1:30:A:LEU:HD23	50	0.18
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	26	0.18
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	27	0.18
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	8	0.18
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	10	0.18
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	26	0.18
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	36	0.18
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	9	0.18
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	9	0.18
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	31	0.18
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	31	0.18
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	31	0.18
(2,571)	1:13:A:CYS:HB3	1:10:A:TYR:HA	13	0.18
(2,570)	1:13:A:CYS:HB2	1:10:A:TYR:HA	24	0.18
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	22	0.18
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	22	0.18
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	22	0.18
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	39	0.18
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	39	0.18
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	39	0.18
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	50	0.18
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	50	0.18
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	50	0.18
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	8	0.18
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	9	0.18
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	12	0.18
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	16	0.18
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	19	0.18
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	21	0.18
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	28	0.18
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	49	0.18
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	50	0.18
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	10	0.18
(2,550)	1:3:A:PRO:HD3	1:2:A:SER:HA	6	0.18
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB2	15	0.18
(2,549)	1:2:A:SER:HA	1:2:A:SER:HB3	15	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	2	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	2	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	2	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	2	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	2	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	2	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	2	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	2	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	2	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	3	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	3	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	3	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	3	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	3	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	3	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	3	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	3	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	4	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	4	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	4	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	4	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	4	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	4	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	4	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	4	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	4	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	6	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	6	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	6	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	6	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	6	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	6	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	6	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	6	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	6	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	9	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	9	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	9	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	9	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	9	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	9	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	9	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	9	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	9	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	10	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	10	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	10	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	10	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	10	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	10	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	10	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	10	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	11	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	11	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	11	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	11	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	11	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	11	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	11	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	11	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	11	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	15	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	15	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	15	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	15	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	15	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	15	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	15	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	15	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	15	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	16	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	16	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	16	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	16	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	16	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	16	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	16	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	16	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	16	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	17	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	17	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	17	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	17	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	17	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	17	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	17	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	17	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	17	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	19	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	19	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	19	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	19	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	19	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	19	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	19	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	19	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	21	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	21	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	21	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	21	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	21	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	21	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	21	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	21	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	21	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	22	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	22	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	22	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	22	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	22	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	22	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	22	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	22	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	22	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	23	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	23	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	23	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	23	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	23	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	23	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	23	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	23	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	23	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	25	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	25	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	25	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	25	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	25	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	25	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	25	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	25	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	25	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	27	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	27	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	27	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	27	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	27	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	27	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	27	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	27	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	27	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	28	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	28	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	28	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	28	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	28	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	28	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	28	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	28	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	28	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	29	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	29	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	29	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	29	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	29	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	29	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	29	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	29	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	29	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	32	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	32	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	32	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	32	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	32	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	32	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	32	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	32	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	32	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	33	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	33	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	33	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	33	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	33	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	33	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	33	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	33	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	33	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	35	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	35	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	35	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	35	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	35	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	35	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	35	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	35	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	35	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	36	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	36	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	36	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	36	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	36	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	36	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	36	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	36	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	36	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	38	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	38	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	38	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	38	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	38	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	38	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	38	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	38	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	38	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	41	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	41	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	41	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	41	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	41	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	41	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	41	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	41	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	41	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	42	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	42	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	42	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	42	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	42	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	42	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	42	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	42	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	42	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	43	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	43	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	43	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	43	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	43	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	43	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	43	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	43	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	43	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	44	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	44	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	44	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	44	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	44	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	44	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	44	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	44	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	44	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	45	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	45	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	45	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	45	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	45	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	45	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	45	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	45	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	45	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	46	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	46	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	46	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	46	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	46	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	46	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	46	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	46	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	46	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	48	0.18
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	48	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	48	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	48	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	48	0.18
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	48	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	48	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	48	0.18
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	48	0.18
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	1	0.18
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	42	0.18
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	5	0.18
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	5	0.18
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	43	0.18
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	43	0.18
(2,526)	1:31:A:GLU:HA	1:31:A:GLU:HG2	39	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	3	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	3	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	3	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	8	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	8	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	8	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	14	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	14	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	14	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	16	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	16	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	16	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	17	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	17	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	17	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	26	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	26	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	26	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	36	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	36	0.18
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	36	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	2	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	2	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	2	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	8	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	8	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	8	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	10	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	10	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	13	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	13	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	13	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	16	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	16	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	16	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	23	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	23	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	23	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	31	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	31	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	31	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	36	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	36	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	36	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	40	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	40	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	40	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	44	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	44	0.18
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	44	0.18
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	7	0.18
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	24	0.18
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	24	0.18
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	38	0.18
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	38	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	1	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	2	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	3	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	4	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	5	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	6	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	7	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	8	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	9	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	10	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	11	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	12	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	13	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	15	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	16	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	17	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	18	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	19	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	20	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	21	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	22	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	23	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	24	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	25	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	26	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	27	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	28	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	29	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	30	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	31	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	32	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	33	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	34	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	35	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	36	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	37	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	38	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	39	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	40	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	41	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	42	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	43	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	44	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	45	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	46	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	47	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	48	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	49	0.18
(2,484)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	50	0.18
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	33	0.18
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	2	0.18
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	38	0.18
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	6	0.18
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	19	0.18
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	21	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	24	0.18
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	30	0.18
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	38	0.18
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	39	0.18
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	24	0.18
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	24	0.18
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	5	0.18
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	5	0.18
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	4	0.18
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	43	0.18
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	43	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	1	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	2	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	3	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	4	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	5	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	6	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	7	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	8	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	9	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	10	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	11	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	12	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	13	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	14	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	15	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	16	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	17	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	18	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	19	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	20	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	21	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	22	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	23	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	24	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	25	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	26	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	27	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	28	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	29	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	30	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	31	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	32	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	33	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	34	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	35	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	36	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	37	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	38	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	39	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	40	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	41	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	42	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	43	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	44	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	45	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	46	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	47	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	48	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	49	0.18
(2,454)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	50	0.18
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	1	0.18
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	34	0.18
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	26	0.18
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	46	0.18
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	48	0.18
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	50	0.18
(2,440)	1:31:A:GLU:HA	1:31:A:GLU:HG2	39	0.18
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	16	0.18
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	16	0.18
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	16	0.18
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	1	0.18
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	2	0.18
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	9	0.18
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	12	0.18
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	14	0.18
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	29	0.18
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	40	0.18
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	43	0.18
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	48	0.18
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	50	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	1	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	1	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	2	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	2	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	2	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	3	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	3	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	3	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	4	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	4	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	4	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	5	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	5	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	5	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	6	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	6	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	6	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	7	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	7	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	7	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	8	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	8	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	8	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	9	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	9	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	9	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	10	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	10	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	10	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	11	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	11	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	11	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	12	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	12	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	12	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	13	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	13	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	13	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	14	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	14	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	14	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	15	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	15	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	16	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	16	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	16	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	17	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	17	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	17	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	18	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	18	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	18	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	19	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	19	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	19	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	20	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	20	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	20	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	21	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	21	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	21	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	22	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	22	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	22	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	23	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	23	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	23	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	24	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	24	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	24	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	25	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	25	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	25	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	26	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	26	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	26	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	27	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	27	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	27	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	28	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	28	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	28	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	29	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	29	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	29	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	30	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	30	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	30	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	31	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	31	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	31	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	32	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	32	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	32	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	33	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	33	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	33	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	34	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	34	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	34	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	35	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	35	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	35	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	36	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	36	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	36	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	37	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	37	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	37	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	38	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	38	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	38	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	39	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	39	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	39	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	40	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	40	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	40	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	41	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	41	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	41	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	42	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	42	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	42	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	43	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	43	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	43	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	44	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	44	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	44	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	45	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	45	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	45	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	46	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	46	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	46	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	47	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	47	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	47	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	48	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	48	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	48	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	49	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	49	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	49	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD21	50	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD22	50	0.18
(2,427)	1:30:A:LEU:HG	1:30:A:LEU:HD23	50	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	3	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	3	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	3	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	8	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	8	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	8	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	14	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	14	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	14	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	16	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	16	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	16	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	17	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	17	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	17	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	26	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	26	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	26	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	36	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	36	0.18
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	36	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	2	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	2	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	2	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	8	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	8	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	8	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	10	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	10	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	10	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	13	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	13	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	13	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	16	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	16	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	16	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	23	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	23	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	23	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	31	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	31	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	31	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	36	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	36	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	36	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	40	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	40	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	40	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	44	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	44	0.18
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	44	0.18
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	4	0.18
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	9	0.18
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	10	0.18
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	12	0.18
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	14	0.18
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	15	0.18
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	18	0.18
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	25	0.18
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	38	0.18
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	40	0.18
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	44	0.18
(2,411)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	47	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	1	0.18
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	13	0.18
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	19	0.18
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	21	0.18
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	31	0.18
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	33	0.18
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	35	0.18
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	36	0.18
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	39	0.18
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	40	0.18
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	46	0.18
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	1	0.18
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	21	0.18
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	22	0.18
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	24	0.18
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	26	0.18
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	31	0.18
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	33	0.18
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	34	0.18
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	35	0.18
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	43	0.18
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	5	0.18
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	22	0.18
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	33	0.18
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	49	0.18
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	10	0.18
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	15	0.18
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	18	0.18
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	30	0.18
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	38	0.18
(2,390)	1:28:A:SER:HB2	1:28:A:SER:H	16	0.18
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	36	0.18
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	38	0.18
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	17	0.18
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	17	0.18
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	31	0.18
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	31	0.18
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	34	0.18
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	34	0.18
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	40	0.18
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	40	0.18
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	30	0.18
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	48	0.18
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	30	0.18
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	24	0.18
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	29	0.18
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	43	0.18
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	12	0.18
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	38	0.18
(2,321)	1:23:A:CYS:HA	1:23:A:CYS:H	40	0.18
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	7	0.18
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	18	0.18
(2,320)	1:23:A:CYS:HB3	1:23:A:CYS:H	50	0.18
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	32	0.18
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	49	0.18
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	4	0.18
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	4	0.18
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	2	0.18
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	8	0.18
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	38	0.18
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	8	0.18
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	9	0.18
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	12	0.18
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	16	0.18
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	19	0.18
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	21	0.18
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	28	0.18
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	49	0.18
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	50	0.18
(2,243)	1:18:A:VAL:HG21	1:18:A:VAL:HB	7	0.18
(2,243)	1:18:A:VAL:HG22	1:18:A:VAL:HB	7	0.18
(2,243)	1:18:A:VAL:HG23	1:18:A:VAL:HB	7	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	2	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	2	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	2	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	2	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	2	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	2	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	2	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	2	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	2	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	3	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	3	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	3	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	3	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	3	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	3	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	3	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	3	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	4	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	4	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	4	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	4	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	4	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	4	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	4	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	4	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	4	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	6	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	6	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	6	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	6	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	6	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	6	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	6	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	6	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	6	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	9	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	9	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	9	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	9	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	9	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	9	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	9	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	9	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	9	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	10	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	10	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	10	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	10	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	10	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	10	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	10	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	10	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	11	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	11	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	11	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	11	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	11	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	11	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	11	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	11	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	11	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	15	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	15	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	15	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	15	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	15	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	15	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	15	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	15	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	15	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	16	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	16	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	16	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	16	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	16	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	16	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	16	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	16	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	16	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	17	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	17	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	17	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	17	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	17	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	17	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	17	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	17	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	17	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	19	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	19	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	19	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	19	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	19	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	19	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	19	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	19	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	21	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	21	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	21	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	21	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	21	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	21	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	21	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	21	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	21	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	22	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	22	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	22	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	22	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	22	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	22	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	22	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	22	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	22	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	23	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	23	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	23	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	23	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	23	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	23	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	23	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	23	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	23	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	25	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	25	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	25	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	25	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	25	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	25	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	25	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	25	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	25	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	27	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	27	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	27	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	27	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	27	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	27	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	27	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	27	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	27	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	28	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	28	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	28	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	28	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	28	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	28	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	28	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	28	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	28	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	29	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	29	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	29	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	29	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	29	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	29	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	29	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	29	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	29	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	32	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	32	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	32	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	32	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	32	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	32	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	32	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	32	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	32	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	33	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	33	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	33	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	33	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	33	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	33	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	33	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	33	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	33	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	35	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	35	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	35	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	35	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	35	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	35	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	35	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	35	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	35	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	36	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	36	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	36	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	36	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	36	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	36	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	36	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	36	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	36	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	38	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	38	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	38	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	38	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	38	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	38	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	38	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	38	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	38	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	41	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	41	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	41	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	41	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	41	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	41	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	41	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	41	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	41	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	42	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	42	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	42	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	42	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	42	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	42	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	42	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	42	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	42	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	43	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	43	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	43	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	43	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	43	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	43	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	43	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	43	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	43	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	44	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	44	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	44	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	44	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	44	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	44	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	44	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	44	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	44	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	45	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	45	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	45	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	45	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	45	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	45	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	45	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	45	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	45	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	46	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	46	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	46	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	46	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	46	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	46	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	46	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	46	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	46	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	48	0.18
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	48	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	48	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	48	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	48	0.18
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	48	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	48	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	48	0.18
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	48	0.18
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	1	0.18
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	42	0.18
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	11	0.18
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	19	0.18
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	36	0.18
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	41	0.18
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	42	0.18
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	43	0.18
(2,198)	1:14:A:ASN:HB2	1:14:A:ASN:H	11	0.18
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	10	0.18
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	30	0.18
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	34	0.18
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	35	0.18
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	42	0.18
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	50	0.18
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	33	0.18
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	9	0.18
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	11	0.18
(2,182)	1:13:A:CYS:HB3	1:10:A:TYR:HA	13	0.18
(2,181)	1:13:A:CYS:HB2	1:10:A:TYR:HA	24	0.18
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	33	0.18
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	1	0.18
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	26	0.18
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	41	0.18
(2,170)	1:12:A:GLN:HB2	1:12:A:GLN:HA	49	0.18
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	28	0.18
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	47	0.18
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	20	0.18
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	24	0.18
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	24	0.18
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	38	0.18
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	38	0.18
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	26	0.18
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	27	0.18
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	10	0.18
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	20	0.18
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	26	0.18
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	36	0.18
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	31	0.18
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	31	0.18
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	31	0.18
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	9	0.18
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	28	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	1	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	2	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	3	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	4	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	5	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	6	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	7	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	8	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	9	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	10	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	11	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	12	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	13	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	14	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	15	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	16	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	17	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	18	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	19	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	20	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	21	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	22	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	23	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	24	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	25	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	26	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	27	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	28	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	29	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	30	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	31	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	32	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	33	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	34	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	35	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	36	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	37	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	38	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	39	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	40	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	41	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	42	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	43	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	44	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	45	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	46	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	47	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	48	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	49	0.18
(2,87)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	50	0.18
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	13	0.18
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	13	0.18
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	2	0.18
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	38	0.18
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	22	0.18
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	22	0.18
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	22	0.18
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	39	0.18
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	39	0.18
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	39	0.18
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	50	0.18
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	50	0.18
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	50	0.18
(2,48)	1:5:A:GLN:HA	1:8:A:TYR:H	40	0.18
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	19	0.18
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	43	0.18
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	43	0.18
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	18	0.18
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	39	0.18
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	21	0.18
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	21	0.18
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	21	0.18
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	42	0.18
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	42	0.18
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	42	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	9	0.18
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	9	0.18
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	10	0.18
(2,7)	1:3:A:PRO:HD3	1:2:A:SER:HA	6	0.18
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	18	0.18
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	40	0.18
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB2	15	0.18
(2,1)	1:2:A:SER:HA	1:2:A:SER:HB3	15	0.18
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	16	0.18
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	33	0.18
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	44	0.18
(1,1027)	1:30:A:LEU:HB3	1:30:A:LEU:HG	4	0.18
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	20	0.18
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	20	0.18
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	20	0.18
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	34	0.18
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	34	0.18
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	34	0.18
(1,1002)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	27	0.18
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	6	0.18
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HG2	17	0.18
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	23	0.18
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	28	0.18
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	40	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	1	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	2	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	3	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	4	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	5	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	6	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	7	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	8	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	9	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	10	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	11	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	12	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	13	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	14	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	15	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	16	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	17	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	19	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	20	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	21	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	22	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	23	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	24	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	25	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	26	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	27	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	28	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	29	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	30	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	31	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	32	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	33	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	34	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	35	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	36	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	37	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	38	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	39	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	40	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	41	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	42	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	43	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	44	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	45	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	46	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	47	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	48	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	49	0.18
(1,915)	1:31:A:GLU:HG2	1:31:A:GLU:HG3	50	0.18
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	28	0.18
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	47	0.18
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	31	0.18
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	31	0.18
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	31	0.18
(1,892)	1:12:A:GLN:HB2	1:12:A:GLN:HA	49	0.18
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	4	0.18
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	1	0.18
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	34	0.18
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	19	0.18
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	21	0.18
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	24	0.18
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	30	0.18
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	38	0.18
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	39	0.18
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	18	0.18
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	39	0.18
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	24	0.18
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	29	0.18
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	43	0.18
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	21	0.18
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	21	0.18
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	21	0.18
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	42	0.18
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	42	0.18
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	42	0.18
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	10	0.18
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	30	0.18
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	34	0.18
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	35	0.18
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	42	0.18
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	50	0.18
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	32	0.18
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	49	0.18
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	11	0.18
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	19	0.18
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	36	0.18
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	41	0.18
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	42	0.18
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	43	0.18
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	38	0.18
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	12	0.18
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	10	0.18
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	15	0.18
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	18	0.18
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	30	0.18
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	38	0.18
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	30	0.18
(1,810)	1:23:A:CYS:HA	1:23:A:CYS:H	40	0.18
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	18	0.18
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	40	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	7	0.18
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	18	0.18
(1,771)	1:23:A:CYS:HB3	1:23:A:CYS:H	50	0.18
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	36	0.18
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	38	0.18
(1,752)	1:5:A:GLN:HA	1:8:A:TYR:H	40	0.18
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	9	0.18
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	28	0.18
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	20	0.18
(1,715)	1:18:A:VAL:HG21	1:18:A:VAL:HB	7	0.18
(1,715)	1:18:A:VAL:HG22	1:18:A:VAL:HB	7	0.18
(1,715)	1:18:A:VAL:HG23	1:18:A:VAL:HB	7	0.18
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	9	0.18
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	11	0.18
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	30	0.18
(1,681)	1:4:A:GLN:HG3	1:4:A:GLN:H	2	0.18
(1,681)	1:4:A:GLN:HG3	1:4:A:GLN:H	24	0.18
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	19	0.18
(1,678)	1:28:A:SER:HB2	1:28:A:SER:H	16	0.18
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	16	0.18
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	16	0.18
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	16	0.18
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	4	0.18
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	9	0.18
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	10	0.18
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	12	0.18
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	14	0.18
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	15	0.18
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	18	0.18
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	25	0.18
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	38	0.18
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	40	0.18
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	44	0.18
(1,663)	1:29:A:PRO:HD2	1:29:A:PRO:HG2	47	0.18
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	1	0.18
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	13	0.18
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	19	0.18
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	21	0.18
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	31	0.18
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	33	0.18
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	35	0.18
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	36	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	39	0.18
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	40	0.18
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	46	0.18
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	33	0.18
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	1	0.18
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	21	0.18
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	22	0.18
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	24	0.18
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	26	0.18
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	31	0.18
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	33	0.18
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	34	0.18
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	35	0.18
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	43	0.18
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	48	0.18
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	1	0.18
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	26	0.18
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	41	0.18
(1,636)	1:14:A:ASN:HB2	1:14:A:ASN:H	11	0.18
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	26	0.18
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	46	0.18
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	48	0.18
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	50	0.18
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	1	0.18
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	2	0.18
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	9	0.18
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	12	0.18
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	14	0.18
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	29	0.18
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	40	0.18
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	43	0.18
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	48	0.18
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	50	0.18
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	2	0.18
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	8	0.18
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	38	0.18
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	5	0.18
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	22	0.18
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	33	0.18
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	49	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	1	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	1	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	2	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	2	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	2	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	3	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	3	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	3	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	4	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	4	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	4	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	5	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	5	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	5	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	6	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	6	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	6	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	7	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	7	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	7	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	8	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	8	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	8	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	9	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	9	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	9	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	10	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	10	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	10	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	11	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	11	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	11	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	12	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	12	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	12	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	13	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	13	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	13	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	14	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	14	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	14	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	15	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	15	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	16	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	16	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	16	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	17	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	17	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	17	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	18	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	18	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	18	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	19	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	19	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	19	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	20	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	20	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	20	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	21	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	21	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	21	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	22	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	22	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	22	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	23	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	23	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	23	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	24	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	24	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	24	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	25	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	25	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	25	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	26	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	26	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	26	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	27	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	27	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	27	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	28	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	28	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	28	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	29	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	29	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	29	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	30	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	30	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	30	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	31	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	31	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	31	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	32	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	32	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	32	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	33	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	33	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	33	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	34	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	34	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	34	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	35	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	35	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	35	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	36	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	36	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	36	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	37	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	37	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	37	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	38	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	38	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	38	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	39	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	39	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	39	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	40	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	40	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	40	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	41	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	41	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	41	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	42	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	42	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	42	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	43	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	43	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	43	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	44	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	44	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	44	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	45	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	45	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	45	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	46	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	46	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	46	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	47	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	47	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	47	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	48	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	48	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	48	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	49	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	49	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	49	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD21	50	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD22	50	0.18
(1,610)	1:30:A:LEU:HG	1:30:A:LEU:HD23	50	0.18
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	26	0.18
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	27	0.18
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	8	0.18
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	10	0.18
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	20	0.18
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	26	0.18
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	36	0.18
(1,564)	1:22:A:GLN:HB3	1:18:A:VAL:HG21	31	0.18
(1,564)	1:22:A:GLN:HB3	1:18:A:VAL:HG22	31	0.18
(1,564)	1:22:A:GLN:HB3	1:18:A:VAL:HG23	31	0.18
(1,560)	1:13:A:CYS:HB3	1:10:A:TYR:HA	13	0.18
(1,559)	1:13:A:CYS:HB2	1:10:A:TYR:HA	24	0.18
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	22	0.18
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	22	0.18
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	22	0.18
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	39	0.18
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	39	0.18
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	39	0.18
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	50	0.18
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	50	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	50	0.18
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	8	0.18
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	9	0.18
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	12	0.18
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	16	0.18
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	19	0.18
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	21	0.18
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	28	0.18
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	49	0.18
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	50	0.18
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	10	0.18
(1,540)	1:3:A:PRO:HD3	1:2:A:SER:HA	6	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	2	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	2	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	2	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	2	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	2	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	2	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	2	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	2	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	2	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	3	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	3	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	3	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	3	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	3	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	3	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	3	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	3	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	3	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	4	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	4	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	4	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	4	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	4	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	4	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	4	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	4	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	4	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	6	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	6	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	6	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	6	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	6	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	6	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	6	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	6	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	9	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	9	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	9	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	9	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	9	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	9	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	9	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	9	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	9	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	10	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	10	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	10	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	10	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	10	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	10	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	10	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	10	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	10	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	11	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	11	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	11	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	11	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	11	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	11	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	11	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	11	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	11	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	15	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	15	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	15	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	15	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	15	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	15	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	15	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	15	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	16	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	16	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	16	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	16	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	16	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	16	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	16	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	16	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	16	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	17	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	17	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	17	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	17	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	17	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	17	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	17	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	17	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	17	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	19	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	19	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	19	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	19	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	19	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	19	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	19	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	19	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	19	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	21	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	21	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	21	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	21	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	21	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	21	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	21	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	21	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	21	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	22	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	22	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	22	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	22	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	22	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	22	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	22	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	22	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	22	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	23	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	23	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	23	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	23	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	23	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	23	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	23	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	23	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	23	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	25	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	25	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	25	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	25	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	25	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	25	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	25	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	25	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	25	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	27	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	27	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	27	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	27	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	27	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	27	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	27	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	27	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	27	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	28	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	28	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	28	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	28	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	28	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	28	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	28	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	28	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	28	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	29	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	29	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	29	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	29	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	29	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	29	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	29	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	29	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	29	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	32	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	32	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	32	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	32	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	32	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	32	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	32	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	32	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	32	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	33	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	33	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	33	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	33	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	33	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	33	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	33	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	33	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	33	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	35	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	35	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	35	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	35	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	35	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	35	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	35	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	35	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	35	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	36	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	36	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	36	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	36	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	36	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	36	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	36	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	36	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	36	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	38	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	38	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	38	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	38	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	38	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	38	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	38	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	38	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	38	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	41	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	41	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	41	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	41	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	41	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	41	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	41	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	41	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	41	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	42	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	42	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	42	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	42	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	42	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	42	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	42	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	42	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	42	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	43	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	43	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	43	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	43	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	43	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	43	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	43	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	43	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	43	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	44	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	44	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	44	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	44	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	44	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	44	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	44	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	44	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	44	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	45	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	45	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	45	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	45	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	45	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	45	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	45	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	45	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	45	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	46	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	46	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	46	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	46	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	46	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	46	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	46	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	46	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	46	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	48	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	48	0.18
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	48	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	48	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	48	0.18
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	48	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	48	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	48	0.18
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	48	0.18
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	1	0.18
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	42	0.18
(1,516)	1:31:A:GLU:HA	1:31:A:GLU:HG2	39	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	3	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	3	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	3	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	8	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	8	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	8	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	14	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	14	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	16	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	16	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	16	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	17	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	17	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	17	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	26	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	26	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	26	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	36	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	36	0.18
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	36	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	2	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	2	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	2	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	8	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	8	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	8	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	10	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	10	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	10	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	13	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	13	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	13	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	16	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	16	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	16	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	23	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	23	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	23	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	31	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	31	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	31	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	36	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	36	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	36	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	40	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	40	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	40	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	44	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	44	0.18
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	44	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	7	0.18
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	24	0.18
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	24	0.18
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	38	0.18
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	38	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	1	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	2	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	3	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	4	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	5	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	6	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	7	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	8	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	9	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	10	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	11	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	12	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	13	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	14	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	15	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	16	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	17	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	18	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	19	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	20	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	21	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	22	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	23	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	24	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	25	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	26	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	27	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	28	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	29	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	30	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	31	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	32	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	33	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	34	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	35	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	36	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	37	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	38	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	39	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	40	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	41	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	42	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	43	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	44	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	45	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	46	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	47	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	48	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	49	0.18
(1,474)	1:8:A:TYR:HB2	1:8:A:TYR:HB3	50	0.18
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	33	0.18
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	2	0.18
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	38	0.18
(1,444)	1:16:A:ASN:HD22	1:12:A:GLN:HB3	49	0.18
(1,439)	1:6:A:ALA:HB1	1:31:A:GLU:HB3	1	0.18
(1,439)	1:6:A:ALA:HB2	1:31:A:GLU:HB3	19	0.18
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	6	0.18
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	11	0.18
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	17	0.18
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG12	44	0.18
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	8	0.18
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	23	0.18
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	25	0.18
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	13	0.18
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	20	0.18
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE1	28	0.18
(1,320)	1:28:A:SER:H	1:28:A:SER:HB3	33	0.18
(1,320)	1:28:A:SER:H	1:28:A:SER:HB3	39	0.18
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	12	0.18
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	14	0.18
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	18	0.18
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	40	0.18
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	46	0.18
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	27	0.18
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	35	0.18
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	41	0.18
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	15	0.18
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	7	0.18
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	25	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	30	0.18
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	31	0.18
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	6	0.18
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	39	0.18
(1,223)	1:24:A:TYR:H	1:23:A:CYS:HB2	40	0.18
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	11	0.18
(1,194)	1:26:A:MET:HE3	1:18:A:VAL:HG11	5	0.18
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	39	0.18
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG21	32	0.18
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG12	11	0.18
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG22	11	0.18
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG23	24	0.18
(1,175)	1:10:A:TYR:HE1	1:10:A:TYR:HA	31	0.18
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	2	0.18
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	6	0.18
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	29	0.18
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	46	0.18
(1,167)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	28	0.18
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	20	0.18
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	32	0.18
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	42	0.18
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	44	0.18
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	42	0.18
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG11	38	0.18
(1,111)	1:30:A:LEU:HD23	1:30:A:LEU:HA	28	0.18
(1,111)	1:30:A:LEU:HD21	1:30:A:LEU:HA	41	0.18
(1,84)	1:24:A:TYR:HE1	1:28:A:SER:HB3	22	0.18
(1,76)	1:24:A:TYR:HD1	1:24:A:TYR:HA	30	0.18
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	12	0.18
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	13	0.18
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	17	0.18
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	34	0.18
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	37	0.18
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	50	0.18
(1,40)	1:10:A:TYR:HD1	1:10:A:TYR:HA	15	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	1	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	2	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	3	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	6	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	7	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	10	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	13	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	16	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	17	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	20	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	23	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	29	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	30	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	31	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	32	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	36	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	39	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	41	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	43	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	44	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	45	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	46	0.18
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	48	0.18
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	10	0.17
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	6	0.17
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	6	0.17
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	6	0.17
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	25	0.17
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	25	0.17
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	25	0.17
(2,922)	1:10:A:TYR:HD1	1:10:A:TYR:H	15	0.17
(2,922)	1:10:A:TYR:HD2	1:10:A:TYR:H	15	0.17
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	23	0.17
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	23	0.17
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	39	0.17
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	39	0.17
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	2	0.17
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	1	0.17
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	13	0.17
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	44	0.17
(2,889)	1:12:A:GLN:HG2	1:12:A:GLN:HA	49	0.17
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	1	0.17
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	7	0.17
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	14	0.17
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	16	0.17
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	34	0.17
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	35	0.17
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	36	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	32	0.17
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	32	0.17
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	4	0.17
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	4	0.17
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	4	0.17
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	24	0.17
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	24	0.17
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	24	0.17
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	4	0.17
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	6	0.17
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	8	0.17
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	19	0.17
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	21	0.17
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	36	0.17
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	45	0.17
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	47	0.17
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	4	0.17
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	8	0.17
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	10	0.17
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	14	0.17
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	16	0.17
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	34	0.17
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	35	0.17
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	45	0.17
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	46	0.17
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	49	0.17
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	3	0.17
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	3	0.17
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	30	0.17
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	46	0.17
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	6	0.17
(2,839)	1:18:A:VAL:H	1:15:A:VAL:H	21	0.17
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	29	0.17
(2,813)	1:17:A:LYS:HB2	1:17:A:LYS:H	4	0.17
(2,813)	1:17:A:LYS:HB2	1:17:A:LYS:H	32	0.17
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	6	0.17
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	26	0.17
(2,767)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	21	0.17
(2,767)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	21	0.17
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	48	0.17
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	48	0.17
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	11	0.17
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	26	0.17
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	50	0.17
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	34	0.17
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	43	0.17
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	43	0.17
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	21	0.17
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	43	0.17
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	20	0.17
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	20	0.17
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	20	0.17
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	34	0.17
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	34	0.17
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	34	0.17
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	6	0.17
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	6	0.17
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	6	0.17
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	31	0.17
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	31	0.17
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	31	0.17
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	5	0.17
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	23	0.17
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	24	0.17
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	21	0.17
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	36	0.17
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	5	0.17
(2,673)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	37	0.17
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	29	0.17
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	40	0.17
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	40	0.17
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	40	0.17
(2,655)	1:14:A:ASN:HB2	1:14:A:ASN:H	2	0.17
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	49	0.17
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	49	0.17
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	22	0.17
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	43	0.17
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	7	0.17
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	17	0.17
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	24	0.17
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	17	0.17
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	18	0.17
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	35	0.17
(2,622)	1:10:A:TYR:HB2	1:11:A:GLU:H	5	0.17
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	2	0.17
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	9	0.17
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	34	0.17
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	44	0.17
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	49	0.17
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	11	0.17
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	19	0.17
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	21	0.17
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	33	0.17
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	27	0.17
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	29	0.17
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	45	0.17
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	18	0.17
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	18	0.17
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	32	0.17
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	32	0.17
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	46	0.17
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	46	0.17
(2,587)	1:10:A:TYR:HE1	1:24:A:TYR:HA	13	0.17
(2,587)	1:10:A:TYR:HE2	1:24:A:TYR:HA	13	0.17
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	18	0.17
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	18	0.17
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	18	0.17
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	7	0.17
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	7	0.17
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	7	0.17
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	11	0.17
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	11	0.17
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	11	0.17
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	28	0.17
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	28	0.17
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	28	0.17
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	2	0.17
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	3	0.17
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	20	0.17
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	26	0.17
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	27	0.17
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	32	0.17
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	36	0.17
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	41	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	42	0.17
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	9	0.17
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	11	0.17
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	49	0.17
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	21	0.17
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	29	0.17
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	1	0.17
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	1	0.17
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	1	0.17
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	1	0.17
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	1	0.17
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	1	0.17
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	1	0.17
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	1	0.17
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	1	0.17
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	8	0.17
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	8	0.17
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	8	0.17
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	8	0.17
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	8	0.17
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	8	0.17
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	8	0.17
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	8	0.17
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	8	0.17
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	20	0.17
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	20	0.17
(2,543)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	20	0.17
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	20	0.17
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	20	0.17
(2,543)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	20	0.17
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	20	0.17
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	20	0.17
(2,543)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	20	0.17
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	15	0.17
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	16	0.17
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	45	0.17
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	25	0.17
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	50	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	13	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	13	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	13	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	35	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	35	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	35	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	38	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	38	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	38	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	40	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	40	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	40	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	44	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	44	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	44	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	47	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	47	0.17
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	47	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	1	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	1	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	1	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	6	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	6	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	6	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	7	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	7	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	7	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	11	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	11	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	11	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	24	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	24	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	24	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	32	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	32	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	32	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	34	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	34	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	34	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	47	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	47	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	47	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	48	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	48	0.17
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	48	0.17
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	12	0.17
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	21	0.17
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	34	0.17
(2,501)	1:24:A:TYR:HD1	1:28:A:SER:HB2	22	0.17
(2,501)	1:24:A:TYR:HD2	1:28:A:SER:HB2	22	0.17
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	22	0.17
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	48	0.17
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	1	0.17
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	13	0.17
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	44	0.17
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	43	0.17
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	43	0.17
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	6	0.17
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	2	0.17
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	22	0.17
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	43	0.17
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	20	0.17
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	20	0.17
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	20	0.17
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	34	0.17
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	34	0.17
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	34	0.17
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	7	0.17
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	17	0.17
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	24	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	13	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	13	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	13	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	35	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	35	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	35	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	38	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	38	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	38	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	40	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	40	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	40	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	44	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	44	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	44	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	47	0.17
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	47	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	47	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	1	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	1	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	1	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	6	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	6	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	6	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	7	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	7	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	7	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	11	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	11	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	11	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	24	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	24	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	24	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	32	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	32	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	32	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	34	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	34	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	34	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	47	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	47	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	47	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	48	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	48	0.17
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	48	0.17
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	5	0.17
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	23	0.17
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	24	0.17
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	5	0.17
(2,406)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	37	0.17
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	19	0.17
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	35	0.17
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	6	0.17
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	26	0.17
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	48	0.17
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	48	0.17
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	6	0.17
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	12	0.17
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	21	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	34	0.17
(2,349)	1:24:A:TYR:HD1	1:28:A:SER:HB2	22	0.17
(2,349)	1:24:A:TYR:HD2	1:28:A:SER:HB2	22	0.17
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	21	0.17
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	29	0.17
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	6	0.17
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	6	0.17
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	6	0.17
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	31	0.17
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	31	0.17
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	31	0.17
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	1	0.17
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	7	0.17
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	14	0.17
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	16	0.17
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	34	0.17
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	35	0.17
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	36	0.17
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	30	0.17
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	46	0.17
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	3	0.17
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	3	0.17
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	11	0.17
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	19	0.17
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	17	0.17
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	18	0.17
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	2	0.17
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	3	0.17
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	20	0.17
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	26	0.17
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	27	0.17
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	32	0.17
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	36	0.17
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	41	0.17
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	42	0.17
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	1	0.17
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	1	0.17
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	1	0.17
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	1	0.17
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	1	0.17
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	1	0.17
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	1	0.17
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	1	0.17
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	8	0.17
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	8	0.17
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	8	0.17
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	8	0.17
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	8	0.17
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	8	0.17
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	8	0.17
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	8	0.17
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	8	0.17
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	20	0.17
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	20	0.17
(2,240)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	20	0.17
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	20	0.17
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	20	0.17
(2,240)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	20	0.17
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	20	0.17
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	20	0.17
(2,240)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	20	0.17
(2,237)	1:18:A:VAL:H	1:15:A:VAL:H	21	0.17
(2,234)	1:17:A:LYS:HB2	1:17:A:LYS:H	4	0.17
(2,234)	1:17:A:LYS:HB2	1:17:A:LYS:H	32	0.17
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	15	0.17
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	16	0.17
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	45	0.17
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	25	0.17
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	50	0.17
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	4	0.17
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	8	0.17
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	10	0.17
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	14	0.17
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	16	0.17
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	34	0.17
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	35	0.17
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	45	0.17
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	46	0.17
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	49	0.17
(2,198)	1:14:A:ASN:HB2	1:14:A:ASN:H	2	0.17
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	4	0.17
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	6	0.17
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	19	0.17
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	21	0.17
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	36	0.17
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	45	0.17
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	47	0.17
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	22	0.17
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	48	0.17
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	34	0.17
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	21	0.17
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	36	0.17
(2,167)	1:12:A:GLN:HG2	1:12:A:GLN:HA	49	0.17
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	10	0.17
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	4	0.17
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	11	0.17
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	26	0.17
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	50	0.17
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	27	0.17
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	29	0.17
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	45	0.17
(2,149)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	21	0.17
(2,149)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	21	0.17
(2,144)	1:10:A:TYR:HE1	1:24:A:TYR:HA	13	0.17
(2,144)	1:10:A:TYR:HE2	1:24:A:TYR:HA	13	0.17
(2,141)	1:10:A:TYR:HB2	1:11:A:GLU:H	5	0.17
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	2	0.17
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	9	0.17
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	34	0.17
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	44	0.17
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	49	0.17
(2,138)	1:10:A:TYR:HD1	1:10:A:TYR:H	15	0.17
(2,138)	1:10:A:TYR:HD2	1:10:A:TYR:H	15	0.17
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	21	0.17
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	33	0.17
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	6	0.17
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	6	0.17
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	6	0.17
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	25	0.17
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	25	0.17
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	25	0.17
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	23	0.17
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	23	0.17
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	39	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	39	0.17
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	11	0.17
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	11	0.17
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	11	0.17
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	28	0.17
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	28	0.17
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	28	0.17
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	9	0.17
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	11	0.17
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	49	0.17
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	43	0.17
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	49	0.17
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	49	0.17
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	32	0.17
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	32	0.17
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	4	0.17
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	4	0.17
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	4	0.17
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	24	0.17
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	24	0.17
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	24	0.17
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	18	0.17
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	18	0.17
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	32	0.17
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	32	0.17
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	46	0.17
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	46	0.17
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	21	0.17
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	29	0.17
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	29	0.17
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	27	0.17
(1,1027)	1:30:A:LEU:HB3	1:30:A:LEU:HG	5	0.17
(1,1027)	1:30:A:LEU:HB3	1:30:A:LEU:HG	39	0.17
(1,1027)	1:30:A:LEU:HB3	1:30:A:LEU:HG	49	0.17
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	38	0.17
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	38	0.17
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	38	0.17
(1,955)	1:18:A:VAL:HG23	1:22:A:GLN:HB3	2	0.17
(1,955)	1:18:A:VAL:HG22	1:22:A:GLN:HB3	9	0.17
(1,955)	1:18:A:VAL:HG23	1:22:A:GLN:HB3	22	0.17
(1,955)	1:18:A:VAL:HG21	1:22:A:GLN:HB3	36	0.17
(1,955)	1:18:A:VAL:HG22	1:22:A:GLN:HB3	50	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	2	0.17
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	16	0.17
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	18	0.17
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	21	0.17
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	26	0.17
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	27	0.17
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	30	0.17
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	37	0.17
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	43	0.17
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	45	0.17
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	10	0.17
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	6	0.17
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	6	0.17
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	6	0.17
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	25	0.17
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	25	0.17
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	25	0.17
(1,896)	1:10:A:TYR:HD1	1:10:A:TYR:H	15	0.17
(1,896)	1:10:A:TYR:HD2	1:10:A:TYR:H	15	0.17
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	2	0.17
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	1	0.17
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	13	0.17
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	44	0.17
(1,863)	1:12:A:GLN:HG2	1:12:A:GLN:HA	49	0.17
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	1	0.17
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	7	0.17
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	14	0.17
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	16	0.17
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	34	0.17
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	35	0.17
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	36	0.17
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	4	0.17
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	4	0.17
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	4	0.17
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	24	0.17
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	24	0.17
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	24	0.17
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	4	0.17
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	6	0.17
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	8	0.17
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	19	0.17
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	21	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	36	0.17
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	45	0.17
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	47	0.17
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	4	0.17
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	8	0.17
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	10	0.17
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	14	0.17
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	16	0.17
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	34	0.17
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	35	0.17
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	45	0.17
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	46	0.17
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	49	0.17
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	30	0.17
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	46	0.17
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	6	0.17
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	32	0.17
(1,813)	1:18:A:VAL:H	1:15:A:VAL:H	21	0.17
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	29	0.17
(1,788)	1:17:A:LYS:HB2	1:17:A:LYS:H	4	0.17
(1,788)	1:17:A:LYS:HB2	1:17:A:LYS:H	32	0.17
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	6	0.17
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	26	0.17
(1,742)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	21	0.17
(1,742)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	21	0.17
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	4	0.17
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	11	0.17
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	26	0.17
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	50	0.17
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	34	0.17
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	21	0.17
(1,681)	1:4:A:GLN:HG2	1:4:A:GLN:H	10	0.17
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	43	0.17
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	20	0.17
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	20	0.17
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	20	0.17
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	34	0.17
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	34	0.17
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	34	0.17
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	6	0.17
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	6	0.17
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	31	0.17
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	31	0.17
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	31	0.17
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	5	0.17
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	23	0.17
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	24	0.17
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	21	0.17
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	36	0.17
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	5	0.17
(1,651)	1:29:A:PRO:HD3	1:29:A:PRO:HG2	37	0.17
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	29	0.17
(1,636)	1:14:A:ASN:HB2	1:14:A:ASN:H	2	0.17
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	22	0.17
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	43	0.17
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	7	0.17
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	17	0.17
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	24	0.17
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	17	0.17
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	18	0.17
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	19	0.17
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	35	0.17
(1,605)	1:10:A:TYR:HB2	1:11:A:GLU:H	5	0.17
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	2	0.17
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	9	0.17
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	34	0.17
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	44	0.17
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	49	0.17
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	11	0.17
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	19	0.17
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	21	0.17
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	33	0.17
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	27	0.17
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	29	0.17
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	45	0.17
(1,571)	1:10:A:TYR:HE1	1:24:A:TYR:HA	13	0.17
(1,571)	1:10:A:TYR:HE2	1:24:A:TYR:HA	13	0.17
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	11	0.17
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	11	0.17
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	11	0.17
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	28	0.17
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	28	0.17
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	28	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	2	0.17
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	3	0.17
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	20	0.17
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	26	0.17
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	27	0.17
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	32	0.17
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	36	0.17
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	41	0.17
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	42	0.17
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	9	0.17
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	11	0.17
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	49	0.17
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	21	0.17
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	29	0.17
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	1	0.17
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	1	0.17
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	1	0.17
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	1	0.17
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	1	0.17
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	1	0.17
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	1	0.17
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	1	0.17
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	1	0.17
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	8	0.17
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	8	0.17
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	8	0.17
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	8	0.17
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	8	0.17
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	8	0.17
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	8	0.17
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	8	0.17
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	8	0.17
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG21	20	0.17
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG22	20	0.17
(1,533)	1:18:A:VAL:HG11	1:18:A:VAL:HG23	20	0.17
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG21	20	0.17
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG22	20	0.17
(1,533)	1:18:A:VAL:HG12	1:18:A:VAL:HG23	20	0.17
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG21	20	0.17
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG22	20	0.17
(1,533)	1:18:A:VAL:HG13	1:18:A:VAL:HG23	20	0.17
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	16	0.17
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	45	0.17
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	25	0.17
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	50	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	13	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	13	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	13	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	35	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	35	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	35	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	38	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	38	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	38	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	40	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	40	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	40	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	44	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	44	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	44	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	47	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	47	0.17
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	47	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	1	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	1	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	1	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	6	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	6	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	6	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	7	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	7	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	7	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	11	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	11	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	11	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	24	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	24	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	24	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	32	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	32	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	32	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	34	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	34	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	34	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	47	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	47	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	47	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	48	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	48	0.17
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	48	0.17
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	6	0.17
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	12	0.17
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	21	0.17
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	34	0.17
(1,491)	1:24:A:TYR:HD1	1:28:A:SER:HB2	22	0.17
(1,491)	1:24:A:TYR:HD2	1:28:A:SER:HB2	22	0.17
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	22	0.17
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	48	0.17
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	11	0.17
(1,439)	1:6:A:ALA:HB2	1:31:A:GLU:HB3	47	0.17
(1,429)	1:18:A:VAL:HG22	1:22:A:GLN:HG2	48	0.17
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	36	0.17
(1,409)	1:18:A:VAL:HA	1:18:A:VAL:HG22	18	0.17
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	3	0.17
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	21	0.17
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	36	0.17
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE1	42	0.17
(1,320)	1:28:A:SER:H	1:28:A:SER:HB3	19	0.17
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	5	0.17
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	9	0.17
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	11	0.17
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	25	0.17
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	31	0.17
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	38	0.17
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	44	0.17
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	50	0.17
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	30	0.17
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	17	0.17
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	30	0.17
(1,229)	1:25:A:GLN:H	1:24:A:TYR:HB2	6	0.17
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	5	0.17
(1,194)	1:26:A:MET:HE3	1:18:A:VAL:HG13	21	0.17
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG13	27	0.17
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG11	36	0.17
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	45	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG22	27	0.17
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG23	36	0.17
(1,181)	1:18:A:VAL:HG13	1:16:A:ASN:HB3	32	0.17
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	1	0.17
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG13	47	0.17
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG22	27	0.17
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG21	48	0.17
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	22	0.17
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	34	0.17
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	36	0.17
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	50	0.17
(1,170)	1:31:A:GLU:HA	1:6:A:ALA:HB1	28	0.17
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	15	0.17
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	40	0.17
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	6	0.17
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	17	0.17
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	43	0.17
(1,150)	1:8:A:TYR:HA	1:11:A:GLU:HB2	28	0.17
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG11	23	0.17
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	22	0.17
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	24	0.17
(1,111)	1:30:A:LEU:HD22	1:30:A:LEU:HA	29	0.17
(1,82)	1:24:A:TYR:HD2	1:28:A:SER:HB3	16	0.17
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	18	0.17
(1,50)	1:10:A:TYR:HE2	1:10:A:TYR:HB3	23	0.17
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	28	0.17
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	30	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	4	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	8	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	9	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	12	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	14	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	15	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	18	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	25	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	27	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	28	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	38	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	40	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	42	0.17
(1,15)	1:29:A:PRO:HA	1:29:A:PRO:HB2	47	0.17
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	12	0.17
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	15	0.17
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	25	0.17
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	44	0.17
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	47	0.17
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	11	0.16
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	23	0.16
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	35	0.16
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	36	0.16
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	39	0.16
(2,922)	1:10:A:TYR:HD1	1:10:A:TYR:H	30	0.16
(2,922)	1:10:A:TYR:HD2	1:10:A:TYR:H	30	0.16
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	5	0.16
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	5	0.16
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	20	0.16
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	20	0.16
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	24	0.16
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	24	0.16
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	33	0.16
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	33	0.16
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	43	0.16
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	43	0.16
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	47	0.16
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	47	0.16
(2,905)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	6	0.16
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	12	0.16
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	27	0.16
(2,900)	1:18:A:VAL:HG11	1:18:A:VAL:H	28	0.16
(2,900)	1:18:A:VAL:HG12	1:18:A:VAL:H	28	0.16
(2,900)	1:18:A:VAL:HG13	1:18:A:VAL:H	28	0.16
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	14	0.16
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	42	0.16
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	1	0.16
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	21	0.16
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	32	0.16
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	37	0.16
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	32	0.16
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	33	0.16
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	49	0.16
(2,881)	1:22:A:GLN:H	1:23:A:CYS:H	37	0.16
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	4	0.16
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	11	0.16
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	24	0.16
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	27	0.16
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	1	0.16
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	1	0.16
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	41	0.16
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	41	0.16
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	37	0.16
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	37	0.16
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	37	0.16
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	16	0.16
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	17	0.16
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	25	0.16
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	27	0.16
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	41	0.16
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	43	0.16
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	44	0.16
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	11	0.16
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	27	0.16
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	30	0.16
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	34	0.16
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	1	0.16
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	6	0.16
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	9	0.16
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	15	0.16
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	22	0.16
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	26	0.16
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	29	0.16
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	30	0.16
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	33	0.16
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	38	0.16
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	39	0.16
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	47	0.16
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	5	0.16
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	5	0.16
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	7	0.16
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	7	0.16
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	8	0.16
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	8	0.16
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	14	0.16
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	14	0.16
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	31	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	31	0.16
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	43	0.16
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	43	0.16
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	50	0.16
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	50	0.16
(2,861)	1:5:A:GLN:HB2	1:6:A:ALA:H	43	0.16
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	13	0.16
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	20	0.16
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	5	0.16
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	3	0.16
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	31	0.16
(2,777)	1:5:A:GLN:HA	1:8:A:TYR:H	11	0.16
(2,767)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	33	0.16
(2,767)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	33	0.16
(2,765)	1:25:A:GLN:HG2	1:25:A:GLN:H	29	0.16
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	16	0.16
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	17	0.16
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	18	0.16
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	37	0.16
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	45	0.16
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	48	0.16
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	42	0.16
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	21	0.16
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	22	0.16
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	23	0.16
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	26	0.16
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	38	0.16
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	44	0.16
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	32	0.16
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	36	0.16
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	38	0.16
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	50	0.16
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	38	0.16
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	38	0.16
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	38	0.16
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	1	0.16
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	4	0.16
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	26	0.16
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	27	0.16
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	3	0.16
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	4	0.16
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	47	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,658)	1:12:A:GLN:HB2	1:13:A:CYS:H	14	0.16
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	38	0.16
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	3	0.16
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	10	0.16
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	16	0.16
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	19	0.16
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	36	0.16
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	29	0.16
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	31	0.16
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	34	0.16
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	36	0.16
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	39	0.16
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	6	0.16
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	12	0.16
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	31	0.16
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	38	0.16
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	46	0.16
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	47	0.16
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	13	0.16
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	27	0.16
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	11	0.16
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	31	0.16
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	7	0.16
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	24	0.16
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	8	0.16
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	8	0.16
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	16	0.16
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	16	0.16
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	17	0.16
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	17	0.16
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	30	0.16
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	30	0.16
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	44	0.16
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	44	0.16
(2,595)	1:2:A:SER:HA	1:2:A:SER:HB3	20	0.16
(2,570)	1:13:A:CYS:HB2	1:10:A:TYR:HA	31	0.16
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	18	0.16
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	18	0.16
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	18	0.16
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	4	0.16
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	6	0.16
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	14	0.16
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	39	0.16
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	26	0.16
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	31	0.16
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	27	0.16
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	44	0.16
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	31	0.16
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	17	0.16
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	6	0.16
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	6	0.16
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	10	0.16
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	10	0.16
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	45	0.16
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	45	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	2	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	2	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	2	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	9	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	9	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	9	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	20	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	20	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	20	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	22	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	22	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	22	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	23	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	23	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	23	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	27	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	27	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	27	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	31	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	31	0.16
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	31	0.16
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	19	0.16
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	19	0.16
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	19	0.16
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	28	0.16
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	28	0.16
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	28	0.16
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	29	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	29	0.16
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	29	0.16
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	17	0.16
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	43	0.16
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	18	0.16
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	18	0.16
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	1	0.16
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	2	0.16
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	9	0.16
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	15	0.16
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	20	0.16
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	26	0.16
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	29	0.16
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	32	0.16
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	38	0.16
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	46	0.16
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	49	0.16
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	12	0.16
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	27	0.16
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	6	0.16
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	6	0.16
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	10	0.16
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	10	0.16
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	45	0.16
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	45	0.16
(2,451)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	6	0.16
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	38	0.16
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	38	0.16
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	38	0.16
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	38	0.16
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	42	0.16
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	3	0.16
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	10	0.16
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	16	0.16
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	19	0.16
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	36	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	2	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	2	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	2	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	9	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	9	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	20	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	20	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	20	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	22	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	22	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	22	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	23	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	23	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	23	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	27	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	27	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	27	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	31	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	31	0.16
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	31	0.16
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	19	0.16
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	19	0.16
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	19	0.16
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	28	0.16
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	28	0.16
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	28	0.16
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	29	0.16
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	29	0.16
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	29	0.16
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	31	0.16
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	34	0.16
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	36	0.16
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	39	0.16
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	31	0.16
(2,358)	1:25:A:GLN:HG2	1:25:A:GLN:H	29	0.16
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	17	0.16
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	43	0.16
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	4	0.16
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	26	0.16
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	27	0.16
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	5	0.16
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	32	0.16
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	33	0.16
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	49	0.16
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	13	0.16
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	20	0.16
(2,314)	1:22:A:GLN:H	1:23:A:CYS:H	37	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	11	0.16
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	27	0.16
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	30	0.16
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	34	0.16
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	5	0.16
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	5	0.16
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	7	0.16
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	7	0.16
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	8	0.16
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	8	0.16
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	14	0.16
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	14	0.16
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	31	0.16
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	31	0.16
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	43	0.16
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	43	0.16
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	50	0.16
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	50	0.16
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	13	0.16
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	27	0.16
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	29	0.16
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	4	0.16
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	5	0.16
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	11	0.16
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	24	0.16
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	27	0.16
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	27	0.16
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	4	0.16
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	6	0.16
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	10	0.16
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	14	0.16
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	39	0.16
(2,246)	1:18:A:VAL:HG11	1:18:A:VAL:H	28	0.16
(2,246)	1:18:A:VAL:HG12	1:18:A:VAL:H	28	0.16
(2,246)	1:18:A:VAL:HG13	1:18:A:VAL:H	28	0.16
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	31	0.16
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	17	0.16
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	1	0.16
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	6	0.16
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	9	0.16
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	15	0.16
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	22	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	26	0.16
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	29	0.16
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	30	0.16
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	33	0.16
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	38	0.16
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	39	0.16
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	47	0.16
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	1	0.16
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	16	0.16
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	17	0.16
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	25	0.16
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	27	0.16
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	41	0.16
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	43	0.16
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	44	0.16
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	1	0.16
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	2	0.16
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	9	0.16
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	15	0.16
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	20	0.16
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	26	0.16
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	29	0.16
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	32	0.16
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	38	0.16
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	46	0.16
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	21	0.16
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	22	0.16
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	23	0.16
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	26	0.16
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	38	0.16
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	44	0.16
(2,181)	1:13:A:CYS:HB2	1:10:A:TYR:HA	31	0.16
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	14	0.16
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	42	0.16
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	3	0.16
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	4	0.16
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	47	0.16
(2,172)	1:12:A:GLN:HB2	1:13:A:CYS:H	14	0.16
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	11	0.16
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	23	0.16
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	35	0.16
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	36	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	39	0.16
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	16	0.16
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	17	0.16
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	18	0.16
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	37	0.16
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	45	0.16
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	48	0.16
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	7	0.16
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	24	0.16
(2,149)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	33	0.16
(2,149)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	33	0.16
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	18	0.16
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	18	0.16
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	6	0.16
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	12	0.16
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	31	0.16
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	38	0.16
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	46	0.16
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	47	0.16
(2,138)	1:10:A:TYR:HD1	1:10:A:TYR:H	30	0.16
(2,138)	1:10:A:TYR:HD2	1:10:A:TYR:H	30	0.16
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	11	0.16
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	31	0.16
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	5	0.16
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	5	0.16
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	20	0.16
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	20	0.16
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	24	0.16
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	24	0.16
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	33	0.16
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	33	0.16
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	43	0.16
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	43	0.16
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	47	0.16
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	47	0.16
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	49	0.16
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	18	0.16
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	18	0.16
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	18	0.16
(2,48)	1:5:A:GLN:HA	1:8:A:TYR:H	11	0.16
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	26	0.16
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	31	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:5:A:GLN:HB2	1:6:A:ALA:H	43	0.16
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	32	0.16
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	36	0.16
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	38	0.16
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	50	0.16
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	1	0.16
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	21	0.16
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	32	0.16
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	37	0.16
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	1	0.16
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	1	0.16
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	41	0.16
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	41	0.16
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	37	0.16
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	37	0.16
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	37	0.16
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	8	0.16
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	8	0.16
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	16	0.16
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	16	0.16
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	17	0.16
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	17	0.16
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	30	0.16
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	30	0.16
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	44	0.16
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	44	0.16
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	44	0.16
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	3	0.16
(2,2)	1:2:A:SER:HA	1:2:A:SER:HB3	20	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	1	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	4	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	5	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	8	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	9	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	11	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	13	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	14	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	15	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	17	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	18	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	19	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	25	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	31	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	32	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	33	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	39	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	40	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	47	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	49	0.16
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	50	0.16
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	3	0.16
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	3	0.16
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	3	0.16
(1,976)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	46	0.16
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	3	0.16
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HG2	20	0.16
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	29	0.16
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	11	0.16
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	23	0.16
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	35	0.16
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	36	0.16
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	39	0.16
(1,896)	1:10:A:TYR:HD1	1:10:A:TYR:H	30	0.16
(1,896)	1:10:A:TYR:HD2	1:10:A:TYR:H	30	0.16
(1,879)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	6	0.16
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	12	0.16
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	27	0.16
(1,874)	1:18:A:VAL:HG11	1:18:A:VAL:H	28	0.16
(1,874)	1:18:A:VAL:HG12	1:18:A:VAL:H	28	0.16
(1,874)	1:18:A:VAL:HG13	1:18:A:VAL:H	28	0.16
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	14	0.16
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	42	0.16
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	1	0.16
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	21	0.16
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	32	0.16
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	37	0.16
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	32	0.16
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	33	0.16
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	49	0.16
(1,855)	1:22:A:GLN:H	1:23:A:CYS:H	37	0.16
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	4	0.16
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	5	0.16
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	11	0.16
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	24	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	27	0.16
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	37	0.16
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	37	0.16
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	37	0.16
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	16	0.16
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	17	0.16
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	25	0.16
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	27	0.16
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	41	0.16
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	43	0.16
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	44	0.16
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	11	0.16
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	27	0.16
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	30	0.16
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	34	0.16
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	1	0.16
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	6	0.16
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	9	0.16
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	15	0.16
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	22	0.16
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	26	0.16
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	29	0.16
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	30	0.16
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	33	0.16
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	38	0.16
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	39	0.16
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	47	0.16
(1,835)	1:5:A:GLN:HB2	1:6:A:ALA:H	43	0.16
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	13	0.16
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	20	0.16
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	5	0.16
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	49	0.16
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	3	0.16
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	31	0.16
(1,752)	1:5:A:GLN:HA	1:8:A:TYR:H	11	0.16
(1,742)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	33	0.16
(1,742)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	33	0.16
(1,740)	1:25:A:GLN:HG2	1:25:A:GLN:H	29	0.16
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	16	0.16
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	17	0.16
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	18	0.16
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	37	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	45	0.16
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	48	0.16
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	42	0.16
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	21	0.16
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	22	0.16
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	23	0.16
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	26	0.16
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	38	0.16
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	44	0.16
(1,681)	1:4:A:GLN:HG2	1:4:A:GLN:H	20	0.16
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	32	0.16
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	36	0.16
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	38	0.16
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	50	0.16
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	38	0.16
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	38	0.16
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	38	0.16
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	1	0.16
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	4	0.16
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	26	0.16
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	27	0.16
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	3	0.16
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	4	0.16
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	47	0.16
(1,639)	1:12:A:GLN:HB2	1:13:A:CYS:H	14	0.16
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	38	0.16
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	3	0.16
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	10	0.16
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	16	0.16
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	19	0.16
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	36	0.16
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	29	0.16
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	31	0.16
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	34	0.16
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	36	0.16
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	39	0.16
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	6	0.16
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	12	0.16
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	31	0.16
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	38	0.16
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	46	0.16
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	47	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	13	0.16
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	27	0.16
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	11	0.16
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	31	0.16
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	7	0.16
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	24	0.16
(1,578)	1:2:A:SER:HA	1:2:A:SER:HB3	20	0.16
(1,559)	1:13:A:CYS:HB2	1:10:A:TYR:HA	31	0.16
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	18	0.16
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	18	0.16
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	18	0.16
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	4	0.16
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	6	0.16
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	10	0.16
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	14	0.16
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	39	0.16
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	26	0.16
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	31	0.16
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	27	0.16
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	44	0.16
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	31	0.16
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	17	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	2	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	2	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	2	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	9	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	9	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	9	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	20	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	20	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	20	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	22	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	22	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	22	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	23	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	23	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	23	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	27	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	27	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	27	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	31	0.16
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	31	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	31	0.16
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	19	0.16
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	19	0.16
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	19	0.16
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	28	0.16
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	28	0.16
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	28	0.16
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	29	0.16
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	29	0.16
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	29	0.16
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	17	0.16
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	43	0.16
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	18	0.16
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	18	0.16
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	1	0.16
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	2	0.16
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	9	0.16
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	15	0.16
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	20	0.16
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	26	0.16
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	29	0.16
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	32	0.16
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	38	0.16
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	46	0.16
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	49	0.16
(1,454)	1:9:A:CYS:H	1:8:A:TYR:HB2	14	0.16
(1,439)	1:6:A:ALA:HB1	1:31:A:GLU:HB3	6	0.16
(1,439)	1:6:A:ALA:HB2	1:31:A:GLU:HB3	33	0.16
(1,438)	1:6:A:ALA:HB1	1:31:A:GLU:H	37	0.16
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	42	0.16
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	7	0.16
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	26	0.16
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	46	0.16
(1,296)	1:8:A:TYR:H	1:7:A:LYS:HB3	20	0.16
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	1	0.16
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	3	0.16
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	4	0.16
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	6	0.16
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	8	0.16
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	10	0.16
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	17	0.16
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	28	0.16
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	34	0.16
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	36	0.16
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	41	0.16
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	42	0.16
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	48	0.16
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	8	0.16
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	44	0.16
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	40	0.16
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	47	0.16
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	9	0.16
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	21	0.16
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	7	0.16
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	19	0.16
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	31	0.16
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	33	0.16
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	39	0.16
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG12	7	0.16
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG11	33	0.16
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG12	40	0.16
(1,188)	1:24:A:TYR:HD1	1:21:A:ASP:HA	44	0.16
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	18	0.16
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG21	17	0.16
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG23	24	0.16
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG22	37	0.16
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB1	9	0.16
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB2	22	0.16
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB2	35	0.16
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	1	0.16
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	14	0.16
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	15	0.16
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	34	0.16
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	45	0.16
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	49	0.16
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	30	0.16
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	38	0.16
(1,111)	1:30:A:LEU:HD23	1:30:A:LEU:HA	6	0.16
(1,111)	1:30:A:LEU:HD22	1:30:A:LEU:HA	24	0.16
(1,81)	1:24:A:TYR:HD2	1:28:A:SER:HB2	11	0.16
(1,50)	1:10:A:TYR:HE1	1:10:A:TYR:HB3	15	0.16
(1,39)	1:8:A:TYR:HE2	1:12:A:GLN:HB3	47	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	2	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	3	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	6	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	7	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	8	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	9	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	10	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	11	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	13	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	14	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	16	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	17	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	18	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	19	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	20	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	21	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	22	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	26	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	27	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	28	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	29	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	30	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	32	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	33	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	36	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	38	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	40	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	41	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	42	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	43	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	45	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	46	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	48	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	49	0.16
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	50	0.16
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	6	0.15
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	44	0.15
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	46	0.15
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	13	0.15
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	13	0.15
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	13	0.15
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	21	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	21	0.15
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	21	0.15
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	38	0.15
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	38	0.15
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	38	0.15
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	36	0.15
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	36	0.15
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	45	0.15
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	45	0.15
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	44	0.15
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	4	0.15
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	7	0.15
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	14	0.15
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	43	0.15
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	47	0.15
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	48	0.15
(2,900)	1:18:A:VAL:HG11	1:18:A:VAL:H	18	0.15
(2,900)	1:18:A:VAL:HG12	1:18:A:VAL:H	18	0.15
(2,900)	1:18:A:VAL:HG13	1:18:A:VAL:H	18	0.15
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	5	0.15
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	12	0.15
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	17	0.15
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	35	0.15
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	36	0.15
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	38	0.15
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	30	0.15
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	26	0.15
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	39	0.15
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	13	0.15
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	16	0.15
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	20	0.15
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	20	0.15
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	28	0.15
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	28	0.15
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	35	0.15
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	35	0.15
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	8	0.15
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	8	0.15
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	8	0.15
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	26	0.15
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	26	0.15
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	26	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	1	0.15
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	9	0.15
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	11	0.15
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	20	0.15
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	22	0.15
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	32	0.15
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	6	0.15
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	28	0.15
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	44	0.15
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	46	0.15
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	2	0.15
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	12	0.15
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	17	0.15
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	25	0.15
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	44	0.15
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	50	0.15
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	2	0.15
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	2	0.15
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	15	0.15
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	15	0.15
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	17	0.15
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	17	0.15
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	21	0.15
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	21	0.15
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	37	0.15
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	37	0.15
(2,861)	1:5:A:GLN:HB2	1:6:A:ALA:H	6	0.15
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	45	0.15
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	9	0.15
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	29	0.15
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	41	0.15
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	44	0.15
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	48	0.15
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	4	0.15
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	18	0.15
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	4	0.15
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	7	0.15
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	10	0.15
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	16	0.15
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	24	0.15
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	39	0.15
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	49	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	2	0.15
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	42	0.15
(2,736)	1:16:A:ASN:HB2	1:16:A:ASN:H	6	0.15
(2,736)	1:16:A:ASN:HB2	1:16:A:ASN:H	48	0.15
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	30	0.15
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	29	0.15
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	29	0.15
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	41	0.15
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	41	0.15
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	8	0.15
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	33	0.15
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	39	0.15
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	46	0.15
(2,717)	1:5:A:GLN:HG2	1:5:A:GLN:H	22	0.15
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	7	0.15
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	21	0.15
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	24	0.15
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	25	0.15
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	27	0.15
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	34	0.15
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	47	0.15
(2,703)	1:31:A:GLU:HG3	1:31:A:GLU:H	35	0.15
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	27	0.15
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	32	0.15
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	21	0.15
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	21	0.15
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	21	0.15
(2,685)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	37	0.15
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	7	0.15
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	8	0.15
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	22	0.15
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	26	0.15
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	29	0.15
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	45	0.15
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	14	0.15
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	16	0.15
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	49	0.15
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	20	0.15
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	35	0.15
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	48	0.15
(2,655)	1:14:A:ASN:HB2	1:14:A:ASN:H	14	0.15
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	1	0.15
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	44	0.15
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	44	0.15
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	2	0.15
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	17	0.15
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	49	0.15
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	18	0.15
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	22	0.15
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	48	0.15
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	1	0.15
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	7	0.15
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	21	0.15
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	43	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	1	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	1	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	1	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	2	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	2	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	2	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	3	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	3	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	3	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	4	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	4	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	4	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	5	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	5	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	5	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	6	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	6	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	6	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	7	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	7	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	7	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	8	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	8	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	8	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	9	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	9	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	9	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	10	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	10	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	11	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	11	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	11	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	12	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	12	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	12	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	13	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	13	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	13	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	14	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	14	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	14	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	15	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	15	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	15	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	16	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	16	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	16	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	17	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	17	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	17	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	18	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	18	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	18	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	19	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	19	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	19	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	20	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	20	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	20	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	21	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	21	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	21	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	22	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	22	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	22	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	23	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	23	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	23	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	24	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	24	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	24	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	25	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	25	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	25	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	26	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	26	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	26	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	27	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	27	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	27	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	28	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	28	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	28	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	29	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	29	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	29	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	30	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	30	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	30	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	32	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	32	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	32	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	33	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	33	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	33	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	34	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	34	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	34	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	35	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	35	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	35	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	36	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	36	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	36	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	37	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	37	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	37	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	38	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	38	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	38	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	39	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	39	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	39	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	40	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	40	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	40	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	41	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	41	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	41	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	42	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	42	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	42	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	43	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	43	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	43	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	44	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	44	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	44	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	45	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	45	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	45	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	46	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	46	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	46	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	47	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	47	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	47	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	48	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	48	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	48	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	49	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	49	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	49	0.15
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	50	0.15
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	50	0.15
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	50	0.15
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	14	0.15
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	32	0.15
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	42	0.15
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	45	0.15
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	6	0.15
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	9	0.15
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	40	0.15
(2,607)	1:30:A:LEU:H	1:31:A:GLU:H	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	28	0.15
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	32	0.15
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	2	0.15
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	2	0.15
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	20	0.15
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	20	0.15
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	35	0.15
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	35	0.15
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	42	0.15
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	42	0.15
(2,595)	1:2:A:SER:HA	1:2:A:SER:HB3	4	0.15
(2,595)	1:2:A:SER:HA	1:2:A:SER:HB3	6	0.15
(2,595)	1:2:A:SER:HA	1:2:A:SER:HB3	9	0.15
(2,595)	1:2:A:SER:HA	1:2:A:SER:HB3	38	0.15
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG11	8	0.15
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG12	8	0.15
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG13	8	0.15
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG11	8	0.15
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG12	8	0.15
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG13	8	0.15
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG11	8	0.15
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG12	8	0.15
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG13	8	0.15
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	5	0.15
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	5	0.15
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	5	0.15
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	13	0.15
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	13	0.15
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	13	0.15
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	23	0.15
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	23	0.15
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	23	0.15
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	24	0.15
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	24	0.15
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	24	0.15
(2,579)	1:22:A:GLN:HB2	1:18:A:VAL:HG21	37	0.15
(2,579)	1:22:A:GLN:HB2	1:18:A:VAL:HG22	37	0.15
(2,579)	1:22:A:GLN:HB2	1:18:A:VAL:HG23	37	0.15
(2,579)	1:22:A:GLN:HB3	1:18:A:VAL:HG21	37	0.15
(2,579)	1:22:A:GLN:HB3	1:18:A:VAL:HG22	37	0.15
(2,579)	1:22:A:GLN:HB3	1:18:A:VAL:HG23	37	0.15
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	48	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	48	0.15
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	48	0.15
(2,570)	1:13:A:CYS:HB2	1:10:A:TYR:HA	7	0.15
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	24	0.15
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	24	0.15
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	24	0.15
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	46	0.15
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	46	0.15
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	46	0.15
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	23	0.15
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	30	0.15
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	35	0.15
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	40	0.15
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	43	0.15
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	19	0.15
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	20	0.15
(2,555)	1:20:A:PHE:HA	1:23:A:CYS:HB3	7	0.15
(2,555)	1:20:A:PHE:HA	1:23:A:CYS:HB3	37	0.15
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	4	0.15
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	5	0.15
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	7	0.15
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	11	0.15
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	16	0.15
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	17	0.15
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	19	0.15
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	34	0.15
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	37	0.15
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	40	0.15
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	9	0.15
(2,550)	1:3:A:PRO:HD3	1:2:A:SER:HA	40	0.15
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	3	0.15
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	12	0.15
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	36	0.15
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	46	0.15
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	26	0.15
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	30	0.15
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	35	0.15
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	8	0.15
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	8	0.15
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	23	0.15
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	23	0.15
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	34	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	34	0.15
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD2	4	0.15
(2,531)	1:32:A:ARG:HA	1:32:A:ARG:HD3	4	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	5	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	5	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	5	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	10	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	10	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	10	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	12	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	12	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	12	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	33	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	33	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	33	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	39	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	39	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	39	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	43	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	43	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	43	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	45	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	45	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	45	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	49	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	49	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	49	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	50	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	50	0.15
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	50	0.15
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	15	0.15
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	15	0.15
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	15	0.15
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	21	0.15
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	21	0.15
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	21	0.15
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	41	0.15
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	41	0.15
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	41	0.15
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	46	0.15
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	46	0.15
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	46	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	35	0.15
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	6	0.15
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	11	0.15
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	16	0.15
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	17	0.15
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	21	0.15
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	25	0.15
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	27	0.15
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	39	0.15
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	41	0.15
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	43	0.15
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	44	0.15
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	4	0.15
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	24	0.15
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	30	0.15
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	4	0.15
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	7	0.15
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	14	0.15
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	43	0.15
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	47	0.15
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	48	0.15
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	29	0.15
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	29	0.15
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	41	0.15
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	41	0.15
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	8	0.15
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	8	0.15
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	23	0.15
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	23	0.15
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	34	0.15
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	34	0.15
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD2	4	0.15
(2,459)	1:32:A:ARG:HA	1:32:A:ARG:HD3	4	0.15
(2,445)	1:31:A:GLU:HG3	1:31:A:GLU:H	35	0.15
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	2	0.15
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	17	0.15
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	49	0.15
(2,436)	1:30:A:LEU:H	1:31:A:GLU:H	12	0.15
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	18	0.15
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	22	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	5	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	5	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	10	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	10	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	10	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	12	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	12	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	12	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	33	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	33	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	33	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	39	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	39	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	39	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	43	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	43	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	43	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	45	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	45	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	45	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	49	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	49	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	49	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	50	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	50	0.15
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	50	0.15
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	15	0.15
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	15	0.15
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	15	0.15
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	21	0.15
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	21	0.15
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	21	0.15
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	41	0.15
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	41	0.15
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	41	0.15
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	46	0.15
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	46	0.15
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	46	0.15
(2,410)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	37	0.15
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	1	0.15
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	7	0.15
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	21	0.15
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	43	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	9	0.15
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	29	0.15
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	41	0.15
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	44	0.15
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	48	0.15
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	4	0.15
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	7	0.15
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	10	0.15
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	16	0.15
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	24	0.15
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	39	0.15
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	49	0.15
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG11	8	0.15
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG12	8	0.15
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG13	8	0.15
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG11	8	0.15
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG12	8	0.15
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG13	8	0.15
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG11	8	0.15
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG12	8	0.15
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG13	8	0.15
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	35	0.15
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	8	0.15
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	33	0.15
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	39	0.15
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	46	0.15
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	14	0.15
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	16	0.15
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	49	0.15
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	4	0.15
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	18	0.15
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	21	0.15
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	21	0.15
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	21	0.15
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	26	0.15
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	39	0.15
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	45	0.15
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	6	0.15
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	28	0.15
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	44	0.15
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	46	0.15
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	2	0.15
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	15	0.15
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	15	0.15
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	17	0.15
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	17	0.15
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	21	0.15
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	21	0.15
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	37	0.15
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	37	0.15
(2,300)	1:22:A:GLN:HB2	1:18:A:VAL:HG21	37	0.15
(2,300)	1:22:A:GLN:HB2	1:18:A:VAL:HG22	37	0.15
(2,300)	1:22:A:GLN:HB2	1:18:A:VAL:HG23	37	0.15
(2,300)	1:22:A:GLN:HB3	1:18:A:VAL:HG21	37	0.15
(2,300)	1:22:A:GLN:HB3	1:18:A:VAL:HG22	37	0.15
(2,300)	1:22:A:GLN:HB3	1:18:A:VAL:HG23	37	0.15
(2,286)	1:20:A:PHE:HA	1:23:A:CYS:HB3	7	0.15
(2,286)	1:20:A:PHE:HA	1:23:A:CYS:HB3	37	0.15
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	48	0.15
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	13	0.15
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	16	0.15
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	4	0.15
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	5	0.15
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	7	0.15
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	11	0.15
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	16	0.15
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	17	0.15
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	19	0.15
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	34	0.15
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	37	0.15
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	40	0.15
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	23	0.15
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	30	0.15
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	35	0.15
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	40	0.15
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	43	0.15
(2,246)	1:18:A:VAL:HG11	1:18:A:VAL:H	18	0.15
(2,246)	1:18:A:VAL:HG12	1:18:A:VAL:H	18	0.15
(2,246)	1:18:A:VAL:HG13	1:18:A:VAL:H	18	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	1	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	1	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	1	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	2	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	2	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	3	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	3	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	3	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	4	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	4	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	4	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	5	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	5	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	5	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	6	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	6	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	6	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	7	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	7	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	7	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	8	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	8	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	8	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	9	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	9	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	9	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	10	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	10	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	10	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	11	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	11	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	11	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	12	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	12	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	12	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	13	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	13	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	13	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	14	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	14	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	14	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	15	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	15	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	15	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	16	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	16	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	17	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	17	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	17	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	18	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	18	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	18	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	19	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	19	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	19	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	20	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	20	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	20	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	21	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	21	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	21	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	22	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	22	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	22	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	23	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	23	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	23	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	24	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	24	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	24	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	25	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	25	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	25	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	26	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	26	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	26	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	27	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	27	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	27	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	28	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	28	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	28	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	29	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	29	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	29	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	30	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	30	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	30	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	32	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	32	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	32	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	33	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	33	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	33	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	34	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	34	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	34	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	35	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	35	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	35	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	36	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	36	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	36	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	37	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	37	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	37	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	38	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	38	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	38	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	39	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	39	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	39	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	40	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	40	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	40	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	41	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	41	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	41	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	42	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	42	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	42	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	43	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	43	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	43	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	44	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	44	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	44	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	45	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	45	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	45	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	46	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	46	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	46	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	47	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	47	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	47	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	48	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	48	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	48	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	49	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	49	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	49	0.15
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	50	0.15
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	50	0.15
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	50	0.15
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	3	0.15
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	12	0.15
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	36	0.15
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	46	0.15
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	26	0.15
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	30	0.15
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	35	0.15
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	2	0.15
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	12	0.15
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	17	0.15
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	25	0.15
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	44	0.15
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	50	0.15
(2,219)	1:16:A:ASN:HB2	1:16:A:ASN:H	6	0.15
(2,219)	1:16:A:ASN:HB2	1:16:A:ASN:H	48	0.15
(2,198)	1:14:A:ASN:HB2	1:14:A:ASN:H	14	0.15
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	27	0.15
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	32	0.15
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	1	0.15
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	9	0.15
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	11	0.15
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	20	0.15
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	22	0.15
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	32	0.15
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	11	0.15
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	16	0.15
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	17	0.15
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	21	0.15
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	25	0.15
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	27	0.15
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	39	0.15
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	41	0.15
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	43	0.15
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	44	0.15
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	30	0.15
(2,181)	1:13:A:CYS:HB2	1:10:A:TYR:HA	7	0.15
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	5	0.15
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	12	0.15
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	17	0.15
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	35	0.15
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	36	0.15
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	38	0.15
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	7	0.15
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	8	0.15
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	22	0.15
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	26	0.15
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	29	0.15
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	45	0.15
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	20	0.15
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	35	0.15
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	48	0.15
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	44	0.15
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	6	0.15
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	44	0.15
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	46	0.15
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	2	0.15
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	42	0.15
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	28	0.15
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	32	0.15
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	14	0.15
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	32	0.15
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	42	0.15
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	45	0.15
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	6	0.15
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	9	0.15
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	40	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	13	0.15
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	13	0.15
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	13	0.15
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	21	0.15
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	21	0.15
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	21	0.15
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	38	0.15
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	38	0.15
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	38	0.15
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	36	0.15
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	36	0.15
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	45	0.15
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	45	0.15
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	4	0.15
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	24	0.15
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	30	0.15
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	24	0.15
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	24	0.15
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	24	0.15
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	46	0.15
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	46	0.15
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	46	0.15
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	19	0.15
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	20	0.15
(2,45)	1:5:A:GLN:HB2	1:6:A:ALA:H	6	0.15
(2,40)	1:5:A:GLN:HG2	1:5:A:GLN:H	22	0.15
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	7	0.15
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	21	0.15
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	24	0.15
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	25	0.15
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	27	0.15
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	34	0.15
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	47	0.15
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	1	0.15
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	1	0.15
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	44	0.15
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	44	0.15
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	30	0.15
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	20	0.15
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	20	0.15
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	28	0.15
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	28	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	35	0.15
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	35	0.15
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	8	0.15
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	8	0.15
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	8	0.15
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	26	0.15
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	26	0.15
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	26	0.15
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	2	0.15
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	2	0.15
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	20	0.15
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	20	0.15
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	35	0.15
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	35	0.15
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	42	0.15
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	42	0.15
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	9	0.15
(2,7)	1:3:A:PRO:HD3	1:2:A:SER:HA	40	0.15
(2,2)	1:2:A:SER:HA	1:2:A:SER:HB3	4	0.15
(2,2)	1:2:A:SER:HA	1:2:A:SER:HB3	6	0.15
(2,2)	1:2:A:SER:HA	1:2:A:SER:HB3	9	0.15
(2,2)	1:2:A:SER:HA	1:2:A:SER:HB3	38	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	2	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	3	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	6	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	7	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	10	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	12	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	16	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	20	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	21	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	22	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	23	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	24	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	26	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	27	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	28	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	29	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	30	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	34	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	35	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	36	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	37	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	38	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	41	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	42	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	43	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	44	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	45	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	46	0.15
(1,1043)	1:29:A:PRO:HG2	1:29:A:PRO:HG3	48	0.15
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	17	0.15
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	17	0.15
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	17	0.15
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	41	0.15
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	41	0.15
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	41	0.15
(1,997)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	35	0.15
(1,997)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	45	0.15
(1,955)	1:18:A:VAL:HG23	1:22:A:GLN:HB3	8	0.15
(1,955)	1:18:A:VAL:HG21	1:22:A:GLN:HB3	21	0.15
(1,955)	1:18:A:VAL:HG23	1:22:A:GLN:HB3	27	0.15
(1,955)	1:18:A:VAL:HG22	1:22:A:GLN:HB3	34	0.15
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	15	0.15
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HG2	32	0.15
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	39	0.15
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HB3	44	0.15
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	6	0.15
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	44	0.15
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	46	0.15
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	13	0.15
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	13	0.15
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	13	0.15
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	21	0.15
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	21	0.15
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	21	0.15
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	38	0.15
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	38	0.15
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	38	0.15
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	44	0.15
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	4	0.15
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	7	0.15
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	14	0.15
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	43	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	47	0.15
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	48	0.15
(1,874)	1:18:A:VAL:HG11	1:18:A:VAL:H	18	0.15
(1,874)	1:18:A:VAL:HG12	1:18:A:VAL:H	18	0.15
(1,874)	1:18:A:VAL:HG13	1:18:A:VAL:H	18	0.15
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	5	0.15
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	12	0.15
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	17	0.15
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	35	0.15
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	36	0.15
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	38	0.15
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	30	0.15
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	26	0.15
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	39	0.15
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	13	0.15
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	16	0.15
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	8	0.15
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	8	0.15
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	8	0.15
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	26	0.15
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	26	0.15
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	26	0.15
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	1	0.15
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	9	0.15
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	11	0.15
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	20	0.15
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	22	0.15
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	32	0.15
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	6	0.15
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	28	0.15
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	44	0.15
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	46	0.15
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	2	0.15
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	12	0.15
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	17	0.15
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	25	0.15
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	44	0.15
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	50	0.15
(1,835)	1:5:A:GLN:HB2	1:6:A:ALA:H	6	0.15
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	45	0.15
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	9	0.15
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	29	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	41	0.15
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	44	0.15
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	48	0.15
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	4	0.15
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	18	0.15
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	4	0.15
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	7	0.15
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	10	0.15
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	16	0.15
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	24	0.15
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	39	0.15
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	49	0.15
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	2	0.15
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	42	0.15
(1,712)	1:16:A:ASN:HB2	1:16:A:ASN:H	6	0.15
(1,712)	1:16:A:ASN:HB2	1:16:A:ASN:H	48	0.15
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	30	0.15
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	8	0.15
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	33	0.15
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	39	0.15
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	46	0.15
(1,693)	1:5:A:GLN:HG2	1:5:A:GLN:H	22	0.15
(1,681)	1:4:A:GLN:HG3	1:4:A:GLN:H	8	0.15
(1,681)	1:4:A:GLN:HG2	1:4:A:GLN:H	28	0.15
(1,681)	1:4:A:GLN:HG2	1:4:A:GLN:H	35	0.15
(1,681)	1:4:A:GLN:HG2	1:4:A:GLN:H	41	0.15
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	7	0.15
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	21	0.15
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	24	0.15
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	25	0.15
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	27	0.15
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	34	0.15
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	47	0.15
(1,679)	1:31:A:GLU:HG3	1:31:A:GLU:H	35	0.15
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	27	0.15
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	32	0.15
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	21	0.15
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	21	0.15
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	21	0.15
(1,662)	1:29:A:PRO:HD2	1:29:A:PRO:HB2	37	0.15
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	7	0.15
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	22	0.15
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	26	0.15
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	29	0.15
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	45	0.15
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	14	0.15
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	16	0.15
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	49	0.15
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	20	0.15
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	35	0.15
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	48	0.15
(1,636)	1:14:A:ASN:HB2	1:14:A:ASN:H	14	0.15
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	2	0.15
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	17	0.15
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	49	0.15
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	18	0.15
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	22	0.15
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	48	0.15
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	1	0.15
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	7	0.15
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	21	0.15
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	43	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	1	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	1	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	1	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	2	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	2	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	2	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	3	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	3	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	3	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	4	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	4	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	4	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	5	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	5	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	5	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	6	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	6	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	6	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	7	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	7	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	8	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	8	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	8	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	9	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	9	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	9	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	10	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	10	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	10	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	11	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	11	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	11	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	12	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	12	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	12	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	13	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	13	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	13	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	14	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	14	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	14	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	15	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	15	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	15	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	16	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	16	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	16	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	17	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	17	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	17	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	18	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	18	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	18	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	19	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	19	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	19	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	20	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	20	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	20	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	21	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	21	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	21	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	22	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	22	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	22	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	23	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	23	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	23	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	24	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	24	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	24	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	25	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	25	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	25	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	26	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	26	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	26	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	27	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	27	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	27	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	28	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	28	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	28	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	29	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	29	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	29	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	30	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	30	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	30	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	32	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	32	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	32	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	33	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	33	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	33	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	34	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	34	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	34	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	35	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	35	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	35	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	36	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	36	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	36	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	37	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	37	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	37	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	38	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	38	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	38	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	39	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	39	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	39	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	40	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	40	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	40	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	41	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	41	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	41	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	42	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	42	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	42	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	43	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	43	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	43	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	44	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	44	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	44	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	45	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	45	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	45	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	46	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	46	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	46	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	47	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	47	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	47	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	48	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	48	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	48	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	49	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	49	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	49	0.15
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	50	0.15
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	50	0.15
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	50	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	14	0.15
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	32	0.15
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	42	0.15
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	45	0.15
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	6	0.15
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	9	0.15
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	40	0.15
(1,590)	1:30:A:LEU:H	1:31:A:GLU:H	12	0.15
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	28	0.15
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	32	0.15
(1,578)	1:2:A:SER:HA	1:2:A:SER:HB3	4	0.15
(1,578)	1:2:A:SER:HA	1:2:A:SER:HB3	6	0.15
(1,578)	1:2:A:SER:HA	1:2:A:SER:HB3	9	0.15
(1,578)	1:2:A:SER:HA	1:2:A:SER:HB3	38	0.15
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG11	8	0.15
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG12	8	0.15
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG13	8	0.15
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG11	8	0.15
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG12	8	0.15
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG13	8	0.15
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG11	8	0.15
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG12	8	0.15
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG13	8	0.15
(1,559)	1:13:A:CYS:HB2	1:10:A:TYR:HA	7	0.15
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	24	0.15
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	24	0.15
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	24	0.15
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	46	0.15
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	46	0.15
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	46	0.15
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	23	0.15
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	30	0.15
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	35	0.15
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	40	0.15
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	43	0.15
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	19	0.15
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	20	0.15
(1,545)	1:20:A:PHE:HA	1:23:A:CYS:HB3	7	0.15
(1,545)	1:20:A:PHE:HA	1:23:A:CYS:HB3	37	0.15
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	4	0.15
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	5	0.15
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	11	0.15
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	16	0.15
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	17	0.15
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	19	0.15
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	34	0.15
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	37	0.15
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	40	0.15
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	9	0.15
(1,540)	1:3:A:PRO:HD3	1:2:A:SER:HA	40	0.15
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	3	0.15
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	12	0.15
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	36	0.15
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	46	0.15
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	26	0.15
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	30	0.15
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	35	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	5	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	5	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	5	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	10	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	10	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	10	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	12	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	12	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	12	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	33	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	33	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	33	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	39	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	39	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	39	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	43	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	43	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	43	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	45	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	45	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	45	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	49	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	49	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	49	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	50	0.15
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	50	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	50	0.15
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	15	0.15
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	15	0.15
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	15	0.15
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	21	0.15
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	21	0.15
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	21	0.15
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	41	0.15
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	41	0.15
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	41	0.15
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	46	0.15
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	46	0.15
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	46	0.15
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	35	0.15
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	6	0.15
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	11	0.15
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	16	0.15
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	17	0.15
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	21	0.15
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	25	0.15
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	27	0.15
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	39	0.15
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	41	0.15
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	43	0.15
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	44	0.15
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	4	0.15
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	24	0.15
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	30	0.15
(1,439)	1:6:A:ALA:HB3	1:31:A:GLU:HB3	26	0.15
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG12	22	0.15
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	32	0.15
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	48	0.15
(1,393)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	31	0.15
(1,378)	1:25:A:GLN:HG2	1:25:A:GLN:H	30	0.15
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	5	0.15
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	29	0.15
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	4	0.15
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE1	18	0.15
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE1	49	0.15
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	2	0.15
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	16	0.15
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	27	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	30	0.15
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	32	0.15
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	35	0.15
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	43	0.15
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	47	0.15
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	3	0.15
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	11	0.15
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	42	0.15
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	1	0.15
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	6	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	2	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	8	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	9	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	12	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	13	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	16	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	22	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	23	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	24	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	26	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	27	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	28	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	35	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	44	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	47	0.15
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	50	0.15
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	32	0.15
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	31	0.15
(1,180)	1:14:A:ASN:HA	1:17:A:LYS:HA	38	0.15
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG12	50	0.15
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG21	1	0.15
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG23	18	0.15
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	32	0.15
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	33	0.15
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	9	0.15
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	21	0.15
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	47	0.15
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG12	30	0.15
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	12	0.15
(1,109)	1:30:A:LEU:HG	1:30:A:LEU:HA	37	0.15
(1,86)	1:24:A:TYR:HE2	1:24:A:TYR:HB2	28	0.15
(1,83)	1:24:A:TYR:HE1	1:28:A:SER:HB2	45	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:24:A:TYR:HD1	1:28:A:SER:HB2	35	0.15
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	5	0.15
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	23	0.15
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	24	0.15
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	31	0.15
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	34	0.15
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	35	0.15
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	39	0.15
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	17	0.14
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	33	0.14
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	40	0.14
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	38	0.14
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	38	0.14
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	14	0.14
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	14	0.14
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	21	0.14
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	21	0.14
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	26	0.14
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	26	0.14
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	35	0.14
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	35	0.14
(2,913)	1:32:A:ARG:HB2	1:32:A:ARG:HA	34	0.14
(2,909)	1:8:A:TYR:HB2	1:8:A:TYR:H	8	0.14
(2,909)	1:8:A:TYR:HB2	1:8:A:TYR:H	13	0.14
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	2	0.14
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	12	0.14
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	11	0.14
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	26	0.14
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	29	0.14
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	35	0.14
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	41	0.14
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	42	0.14
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	50	0.14
(2,900)	1:18:A:VAL:HG11	1:18:A:VAL:H	7	0.14
(2,900)	1:18:A:VAL:HG12	1:18:A:VAL:H	7	0.14
(2,900)	1:18:A:VAL:HG13	1:18:A:VAL:H	7	0.14
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	6	0.14
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	46	0.14
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	47	0.14
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	50	0.14
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	36	0.14
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	38	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,887)	1:23:A:CYS:H	1:24:A:TYR:H	47	0.14
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	1	0.14
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	8	0.14
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	29	0.14
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	34	0.14
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	36	0.14
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	18	0.14
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	18	0.14
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	18	0.14
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	32	0.14
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	32	0.14
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	32	0.14
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	2	0.14
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	15	0.14
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	26	0.14
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	29	0.14
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	39	0.14
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	40	0.14
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	46	0.14
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	17	0.14
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	23	0.14
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	20	0.14
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	27	0.14
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	28	0.14
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	32	0.14
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	48	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	6	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	6	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	9	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	9	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	10	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	10	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	13	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	13	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	20	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	20	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	24	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	24	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	28	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	28	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	29	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	29	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	35	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	35	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	36	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	36	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	39	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	39	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	40	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	40	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	41	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	41	0.14
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	45	0.14
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	45	0.14
(2,863)	1:31:A:GLU:H	1:32:A:ARG:H	47	0.14
(2,861)	1:5:A:GLN:HB2	1:6:A:ALA:H	7	0.14
(2,854)	1:23:A:CYS:HB2	1:23:A:CYS:H	33	0.14
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	6	0.14
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	37	0.14
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	41	0.14
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	11	0.14
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	25	0.14
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	8	0.14
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	19	0.14
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	21	0.14
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	43	0.14
(2,815)	1:22:A:GLN:HB2	1:23:A:CYS:H	8	0.14
(2,815)	1:22:A:GLN:HB3	1:23:A:CYS:H	8	0.14
(2,815)	1:22:A:GLN:HB2	1:23:A:CYS:H	29	0.14
(2,815)	1:22:A:GLN:HB3	1:23:A:CYS:H	29	0.14
(2,813)	1:17:A:LYS:HB2	1:17:A:LYS:H	13	0.14
(2,813)	1:17:A:LYS:HB2	1:17:A:LYS:H	15	0.14
(2,813)	1:17:A:LYS:HB2	1:17:A:LYS:H	45	0.14
(2,807)	1:26:A:MET:HB2	1:27:A:CYS:H	43	0.14
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	2	0.14
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	3	0.14
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	11	0.14
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	29	0.14
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	40	0.14
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	41	0.14
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	35	0.14
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	5	0.14
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	5	0.14
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	20	0.14
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	42	0.14
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	42	0.14
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	22	0.14
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	30	0.14
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	31	0.14
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	38	0.14
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	43	0.14
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	46	0.14
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	10	0.14
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	24	0.14
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	2	0.14
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	2	0.14
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	48	0.14
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	48	0.14
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	1	0.14
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	32	0.14
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	41	0.14
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	45	0.14
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	10	0.14
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	37	0.14
(2,703)	1:31:A:GLU:HG3	1:31:A:GLU:H	32	0.14
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	3	0.14
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	3	0.14
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	3	0.14
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	17	0.14
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	17	0.14
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	17	0.14
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	9	0.14
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	15	0.14
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	25	0.14
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	38	0.14
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	40	0.14
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	33	0.14
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	33	0.14
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	33	0.14
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	19	0.14
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	24	0.14
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	44	0.14
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	22	0.14
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	47	0.14
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	8	0.14
(2,655)	1:14:A:ASN:HB2	1:14:A:ASN:H	15	0.14
(2,655)	1:14:A:ASN:HB2	1:14:A:ASN:H	40	0.14
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	17	0.14
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	17	0.14
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	4	0.14
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	29	0.14
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	38	0.14
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	44	0.14
(2,639)	1:20:A:PHE:HB2	1:20:A:PHE:H	19	0.14
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	11	0.14
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	17	0.14
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	20	0.14
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	41	0.14
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	44	0.14
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	45	0.14
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	50	0.14
(2,622)	1:10:A:TYR:HB2	1:11:A:GLU:H	40	0.14
(2,618)	1:18:A:VAL:HG11	1:18:A:VAL:HB	31	0.14
(2,618)	1:18:A:VAL:HG12	1:18:A:VAL:HB	31	0.14
(2,618)	1:18:A:VAL:HG13	1:18:A:VAL:HB	31	0.14
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	4	0.14
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	13	0.14
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	29	0.14
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	33	0.14
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	37	0.14
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	50	0.14
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	33	0.14
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	50	0.14
(2,609)	1:5:A:GLN:H	1:4:A:GLN:H	23	0.14
(2,609)	1:5:A:GLN:H	1:4:A:GLN:H	48	0.14
(2,607)	1:30:A:LEU:H	1:31:A:GLU:H	47	0.14
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	5	0.14
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	5	0.14
(2,595)	1:2:A:SER:HA	1:2:A:SER:HB3	30	0.14
(2,588)	1:13:A:CYS:HA	1:18:A:VAL:HG21	28	0.14
(2,588)	1:13:A:CYS:HA	1:18:A:VAL:HG22	28	0.14
(2,588)	1:13:A:CYS:HA	1:18:A:VAL:HG23	28	0.14
(2,587)	1:10:A:TYR:HE1	1:24:A:TYR:HA	12	0.14
(2,587)	1:10:A:TYR:HE2	1:24:A:TYR:HA	12	0.14
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG21	28	0.14
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG22	28	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,580)	1:19:A:PRO:HB3	1:18:A:VAL:HG23	28	0.14
(2,570)	1:13:A:CYS:HB2	1:10:A:TYR:HA	28	0.14
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	45	0.14
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	45	0.14
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	45	0.14
(2,564)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	12	0.14
(2,564)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	12	0.14
(2,564)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	12	0.14
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	18	0.14
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	18	0.14
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	18	0.14
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	1	0.14
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	15	0.14
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	33	0.14
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	45	0.14
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	47	0.14
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	6	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	1	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	3	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	6	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	8	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	9	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	13	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	14	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	15	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	20	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	21	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	22	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	23	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	24	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	26	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	29	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	31	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	33	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	35	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	36	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	39	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	41	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	42	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	43	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	45	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	46	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	47	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	48	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	49	0.14
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	50	0.14
(2,551)	1:3:A:PRO:HD2	1:2:A:SER:HA	23	0.14
(2,550)	1:3:A:PRO:HD3	1:2:A:SER:HA	32	0.14
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	34	0.14
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	49	0.14
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	27	0.14
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	41	0.14
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	40	0.14
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	40	0.14
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	49	0.14
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	49	0.14
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	25	0.14
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	25	0.14
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	25	0.14
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	5	0.14
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	28	0.14
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	19	0.14
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	29	0.14
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	34	0.14
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	34	0.14
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	4	0.14
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	10	0.14
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	30	0.14
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	34	0.14
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	36	0.14
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	42	0.14
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	45	0.14
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	50	0.14
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	23	0.14
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	37	0.14
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	11	0.14
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	26	0.14
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	29	0.14
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	35	0.14
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	41	0.14
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	42	0.14
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	50	0.14
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	2	0.14
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	48	0.14
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	48	0.14
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	40	0.14
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	40	0.14
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	49	0.14
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	49	0.14
(2,463)	1:32:A:ARG:HB2	1:32:A:ARG:HA	34	0.14
(2,455)	1:31:A:GLU:H	1:32:A:ARG:H	47	0.14
(2,445)	1:31:A:GLU:HG3	1:31:A:GLU:H	32	0.14
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	4	0.14
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	29	0.14
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	3	0.14
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	3	0.14
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	3	0.14
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	17	0.14
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	17	0.14
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	17	0.14
(2,436)	1:30:A:LEU:H	1:31:A:GLU:H	47	0.14
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	38	0.14
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	44	0.14
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	25	0.14
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	25	0.14
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	25	0.14
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	11	0.14
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	17	0.14
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	20	0.14
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	41	0.14
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	44	0.14
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	45	0.14
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	50	0.14
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	11	0.14
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	25	0.14
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	9	0.14
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	15	0.14
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	25	0.14
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	38	0.14
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	40	0.14
(2,377)	1:26:A:MET:HB2	1:27:A:CYS:H	43	0.14
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	2	0.14
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	3	0.14
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	11	0.14
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	29	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	40	0.14
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	41	0.14
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	5	0.14
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	5	0.14
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	20	0.14
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	20	0.14
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	42	0.14
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	42	0.14
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	5	0.14
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	28	0.14
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	1	0.14
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	32	0.14
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	41	0.14
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	45	0.14
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	22	0.14
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	47	0.14
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	8	0.14
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	33	0.14
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	33	0.14
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	33	0.14
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	38	0.14
(2,325)	1:23:A:CYS:H	1:24:A:TYR:H	47	0.14
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	6	0.14
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	37	0.14
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	41	0.14
(2,322)	1:23:A:CYS:HB2	1:23:A:CYS:H	33	0.14
(2,312)	1:22:A:GLN:HB2	1:23:A:CYS:H	8	0.14
(2,312)	1:22:A:GLN:HB3	1:23:A:CYS:H	8	0.14
(2,312)	1:22:A:GLN:HB2	1:23:A:CYS:H	29	0.14
(2,312)	1:22:A:GLN:HB3	1:23:A:CYS:H	29	0.14
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	38	0.14
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	38	0.14
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	17	0.14
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	23	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	6	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	6	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	9	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	9	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	10	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	10	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	13	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	20	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	20	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	24	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	24	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	28	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	28	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	29	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	29	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	35	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	35	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	36	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	36	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	39	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	39	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	40	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	40	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	41	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	41	0.14
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	45	0.14
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	45	0.14
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	33	0.14
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	50	0.14
(2,274)	1:20:A:PHE:HB2	1:20:A:PHE:H	19	0.14
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	19	0.14
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	29	0.14
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	1	0.14
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	8	0.14
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	29	0.14
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	34	0.14
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	36	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	1	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	3	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	6	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	8	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	9	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	13	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	14	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	15	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	20	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	21	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	22	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	23	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	24	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	26	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	29	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	31	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	33	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	35	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	36	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	39	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	41	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	42	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	43	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	45	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	46	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	47	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	48	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	49	0.14
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	50	0.14
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	1	0.14
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	15	0.14
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	33	0.14
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	45	0.14
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	47	0.14
(2,246)	1:18:A:VAL:HG11	1:18:A:VAL:H	7	0.14
(2,246)	1:18:A:VAL:HG12	1:18:A:VAL:H	7	0.14
(2,246)	1:18:A:VAL:HG13	1:18:A:VAL:H	7	0.14
(2,241)	1:18:A:VAL:HG11	1:18:A:VAL:HB	31	0.14
(2,241)	1:18:A:VAL:HG12	1:18:A:VAL:HB	31	0.14
(2,241)	1:18:A:VAL:HG13	1:18:A:VAL:HB	31	0.14
(2,234)	1:17:A:LYS:HB2	1:17:A:LYS:H	13	0.14
(2,234)	1:17:A:LYS:HB2	1:17:A:LYS:H	15	0.14
(2,234)	1:17:A:LYS:HB2	1:17:A:LYS:H	45	0.14
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	34	0.14
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	49	0.14
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	27	0.14
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	41	0.14
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	20	0.14
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	27	0.14
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	28	0.14
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	32	0.14
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	48	0.14
(2,198)	1:14:A:ASN:HB2	1:14:A:ASN:H	15	0.14
(2,198)	1:14:A:ASN:HB2	1:14:A:ASN:H	40	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	2	0.14
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	15	0.14
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	26	0.14
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	29	0.14
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	39	0.14
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	40	0.14
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	46	0.14
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	4	0.14
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	10	0.14
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	30	0.14
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	34	0.14
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	36	0.14
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	42	0.14
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	45	0.14
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	50	0.14
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	10	0.14
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	24	0.14
(2,181)	1:13:A:CYS:HB2	1:10:A:TYR:HA	28	0.14
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	6	0.14
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	46	0.14
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	47	0.14
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	50	0.14
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	19	0.14
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	24	0.14
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	44	0.14
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	5	0.14
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	8	0.14
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	2	0.14
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	12	0.14
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	17	0.14
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	33	0.14
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	40	0.14
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	22	0.14
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	30	0.14
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	31	0.14
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	38	0.14
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	43	0.14
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	46	0.14
(2,144)	1:10:A:TYR:HE1	1:24:A:TYR:HA	12	0.14
(2,144)	1:10:A:TYR:HE2	1:24:A:TYR:HA	12	0.14
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	34	0.14
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	34	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,141)	1:10:A:TYR:HB2	1:11:A:GLU:H	40	0.14
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	4	0.14
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	13	0.14
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	29	0.14
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	33	0.14
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	37	0.14
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	50	0.14
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	35	0.14
(2,95)	1:8:A:TYR:HB2	1:8:A:TYR:H	8	0.14
(2,95)	1:8:A:TYR:HB2	1:8:A:TYR:H	13	0.14
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	14	0.14
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	14	0.14
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	21	0.14
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	21	0.14
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	26	0.14
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	26	0.14
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	35	0.14
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	35	0.14
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	23	0.14
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	37	0.14
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	45	0.14
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	45	0.14
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	45	0.14
(2,65)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	12	0.14
(2,65)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	12	0.14
(2,65)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	12	0.14
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	18	0.14
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	18	0.14
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	18	0.14
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	6	0.14
(2,45)	1:5:A:GLN:HB2	1:6:A:ALA:H	7	0.14
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	10	0.14
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	37	0.14
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	17	0.14
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	17	0.14
(2,36)	1:5:A:GLN:H	1:4:A:GLN:H	23	0.14
(2,36)	1:5:A:GLN:H	1:4:A:GLN:H	48	0.14
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	36	0.14
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	18	0.14
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	18	0.14
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	18	0.14
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	32	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	32	0.14
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	32	0.14
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	5	0.14
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	5	0.14
(2,8)	1:3:A:PRO:HD2	1:2:A:SER:HA	23	0.14
(2,7)	1:3:A:PRO:HD3	1:2:A:SER:HA	32	0.14
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	19	0.14
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	21	0.14
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	43	0.14
(2,2)	1:2:A:SER:HA	1:2:A:SER:HB3	30	0.14
(1,1034)	1:12:A:GLN:HB2	1:13:A:CYS:H	14	0.14
(1,997)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	29	0.14
(1,976)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	32	0.14
(1,955)	1:18:A:VAL:HG23	1:22:A:GLN:HB3	11	0.14
(1,955)	1:18:A:VAL:HG23	1:22:A:GLN:HB3	16	0.14
(1,955)	1:18:A:VAL:HG21	1:22:A:GLN:HB3	29	0.14
(1,955)	1:18:A:VAL:HG21	1:22:A:GLN:HB3	41	0.14
(1,955)	1:18:A:VAL:HG23	1:22:A:GLN:HB3	43	0.14
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HG2	19	0.14
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	17	0.14
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	33	0.14
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	40	0.14
(1,887)	1:32:A:ARG:HB2	1:32:A:ARG:HA	34	0.14
(1,883)	1:8:A:TYR:HB2	1:8:A:TYR:H	8	0.14
(1,883)	1:8:A:TYR:HB2	1:8:A:TYR:H	13	0.14
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	2	0.14
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	12	0.14
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	11	0.14
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	26	0.14
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	29	0.14
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	35	0.14
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	41	0.14
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	42	0.14
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	50	0.14
(1,874)	1:18:A:VAL:HG11	1:18:A:VAL:H	7	0.14
(1,874)	1:18:A:VAL:HG12	1:18:A:VAL:H	7	0.14
(1,874)	1:18:A:VAL:HG13	1:18:A:VAL:H	7	0.14
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	6	0.14
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	46	0.14
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	47	0.14
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	50	0.14
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	36	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	38	0.14
(1,861)	1:23:A:CYS:H	1:24:A:TYR:H	47	0.14
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	1	0.14
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	8	0.14
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	29	0.14
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	34	0.14
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	36	0.14
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	18	0.14
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	18	0.14
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	18	0.14
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	32	0.14
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	32	0.14
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	32	0.14
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	2	0.14
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	15	0.14
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	26	0.14
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	29	0.14
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	39	0.14
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	40	0.14
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	46	0.14
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	17	0.14
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	23	0.14
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	20	0.14
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	27	0.14
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	28	0.14
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	32	0.14
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	48	0.14
(1,837)	1:31:A:GLU:H	1:32:A:ARG:H	47	0.14
(1,835)	1:5:A:GLN:HB2	1:6:A:ALA:H	7	0.14
(1,828)	1:23:A:CYS:HB2	1:23:A:CYS:H	33	0.14
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	6	0.14
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	37	0.14
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	41	0.14
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	11	0.14
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	25	0.14
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	8	0.14
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	19	0.14
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	21	0.14
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	43	0.14
(1,788)	1:17:A:LYS:HB2	1:17:A:LYS:H	13	0.14
(1,788)	1:17:A:LYS:HB2	1:17:A:LYS:H	15	0.14
(1,788)	1:17:A:LYS:HB2	1:17:A:LYS:H	45	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:26:A:MET:HB2	1:27:A:CYS:H	43	0.14
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	2	0.14
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	3	0.14
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	11	0.14
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	29	0.14
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	40	0.14
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	41	0.14
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	35	0.14
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	22	0.14
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	30	0.14
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	31	0.14
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	38	0.14
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	43	0.14
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	46	0.14
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	10	0.14
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	24	0.14
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	1	0.14
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	32	0.14
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	41	0.14
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	45	0.14
(1,681)	1:4:A:GLN:HG2	1:4:A:GLN:H	44	0.14
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	10	0.14
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	37	0.14
(1,679)	1:31:A:GLU:HG3	1:31:A:GLU:H	32	0.14
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	3	0.14
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	3	0.14
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	3	0.14
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	17	0.14
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	17	0.14
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	17	0.14
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	9	0.14
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	15	0.14
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	25	0.14
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	38	0.14
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	40	0.14
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	33	0.14
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	33	0.14
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	33	0.14
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	19	0.14
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	24	0.14
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	44	0.14
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	22	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	47	0.14
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	5	0.14
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	8	0.14
(1,636)	1:14:A:ASN:HB2	1:14:A:ASN:H	15	0.14
(1,636)	1:14:A:ASN:HB2	1:14:A:ASN:H	40	0.14
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	4	0.14
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	29	0.14
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	38	0.14
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	44	0.14
(1,620)	1:20:A:PHE:HB2	1:20:A:PHE:H	19	0.14
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	11	0.14
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	17	0.14
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	20	0.14
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	41	0.14
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	44	0.14
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	45	0.14
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	50	0.14
(1,605)	1:10:A:TYR:HB2	1:11:A:GLU:H	40	0.14
(1,601)	1:18:A:VAL:HG11	1:18:A:VAL:HB	31	0.14
(1,601)	1:18:A:VAL:HG12	1:18:A:VAL:HB	31	0.14
(1,601)	1:18:A:VAL:HG13	1:18:A:VAL:HB	31	0.14
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	4	0.14
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	13	0.14
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	29	0.14
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	33	0.14
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	37	0.14
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	50	0.14
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	33	0.14
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	50	0.14
(1,592)	1:5:A:GLN:H	1:4:A:GLN:H	23	0.14
(1,592)	1:5:A:GLN:H	1:4:A:GLN:H	48	0.14
(1,590)	1:30:A:LEU:H	1:31:A:GLU:H	47	0.14
(1,578)	1:2:A:SER:HA	1:2:A:SER:HB3	30	0.14
(1,571)	1:10:A:TYR:HE1	1:24:A:TYR:HA	12	0.14
(1,571)	1:10:A:TYR:HE2	1:24:A:TYR:HA	12	0.14
(1,564)	1:22:A:GLN:HB3	1:18:A:VAL:HG21	37	0.14
(1,564)	1:22:A:GLN:HB3	1:18:A:VAL:HG22	37	0.14
(1,564)	1:22:A:GLN:HB3	1:18:A:VAL:HG23	37	0.14
(1,559)	1:13:A:CYS:HB2	1:10:A:TYR:HA	28	0.14
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	45	0.14
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	45	0.14
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	45	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	12	0.14
(1,554)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	12	0.14
(1,554)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	12	0.14
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	18	0.14
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	18	0.14
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	18	0.14
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	1	0.14
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	15	0.14
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	33	0.14
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	45	0.14
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	47	0.14
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	6	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	1	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	3	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	6	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	8	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	9	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	13	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	14	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	15	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	20	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	21	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	22	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	23	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	24	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	26	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	29	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	31	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	33	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	35	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	36	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	39	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	41	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	42	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	43	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	45	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	46	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	47	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	48	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	49	0.14
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	50	0.14
(1,541)	1:3:A:PRO:HD2	1:2:A:SER:HA	23	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,540)	1:3:A:PRO:HD3	1:2:A:SER:HA	32	0.14
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	34	0.14
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	49	0.14
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	27	0.14
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	41	0.14
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	25	0.14
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	25	0.14
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	25	0.14
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	5	0.14
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	28	0.14
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	19	0.14
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	29	0.14
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	34	0.14
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	34	0.14
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	4	0.14
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	10	0.14
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	30	0.14
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	34	0.14
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	36	0.14
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	42	0.14
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	45	0.14
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	50	0.14
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	23	0.14
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	37	0.14
(1,439)	1:6:A:ALA:HB3	1:31:A:GLU:HB3	42	0.14
(1,439)	1:6:A:ALA:HB3	1:31:A:GLU:HB3	45	0.14
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	4	0.14
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	14	0.14
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG13	15	0.14
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	41	0.14
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG12	43	0.14
(1,393)	1:31:A:GLU:HG3	1:31:A:GLU:HB2	27	0.14
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	4	0.14
(1,358)	1:11:A:GLU:H	1:11:A:GLU:HG3	8	0.14
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	15	0.14
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	19	0.14
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE1	6	0.14
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	14	0.14
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE3	41	0.14
(1,294)	1:13:A:CYS:H	1:10:A:TYR:HA	8	0.14
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	15	0.14
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	21	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	23	0.14
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	24	0.14
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	26	0.14
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	37	0.14
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	39	0.14
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	45	0.14
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	22	0.14
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	34	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	1	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	3	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	5	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	6	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	11	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	14	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	15	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	18	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	20	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	21	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	25	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	29	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	30	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	38	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	41	0.14
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	43	0.14
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	3	0.14
(1,188)	1:24:A:TYR:HD2	1:21:A:ASP:HA	43	0.14
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG22	5	0.14
(1,186)	1:26:A:MET:HE2	1:18:A:VAL:HG22	16	0.14
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG13	4	0.14
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG13	25	0.14
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG23	22	0.14
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB2	20	0.14
(1,157)	1:13:A:CYS:HB2	1:23:A:CYS:HB3	31	0.14
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	27	0.14
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	29	0.14
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG12	35	0.14
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG13	36	0.14
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG13	12	0.14
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	19	0.14
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	40	0.14
(1,118)	1:31:A:GLU:HA	1:31:A:GLU:HG3	17	0.14
(1,111)	1:30:A:LEU:HD23	1:30:A:LEU:HA	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:25:A:GLN:HA	1:25:A:GLN:HG2	29	0.14
(1,86)	1:24:A:TYR:HE1	1:24:A:TYR:HB2	6	0.14
(1,76)	1:24:A:TYR:HD1	1:24:A:TYR:HA	23	0.14
(1,56)	1:11:A:GLU:HA	1:11:A:GLU:HB2	33	0.14
(1,52)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	12	0.14
(1,40)	1:10:A:TYR:HD1	1:10:A:TYR:HA	30	0.14
(1,13)	1:29:A:PRO:HD3	1:29:A:PRO:HB3	37	0.14
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	6	0.14
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	31	0.14
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	50	0.14
(2,943)	1:28:A:SER:HB3	1:28:A:SER:H	16	0.13
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	20	0.13
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	34	0.13
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	47	0.13
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	47	0.13
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	6	0.13
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	6	0.13
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	16	0.13
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	16	0.13
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	19	0.13
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	19	0.13
(2,912)	1:8:A:TYR:HA	1:11:A:GLU:HB3	49	0.13
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	40	0.13
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	15	0.13
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	16	0.13
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	20	0.13
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	22	0.13
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	25	0.13
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	40	0.13
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	45	0.13
(2,900)	1:18:A:VAL:HG11	1:18:A:VAL:H	24	0.13
(2,900)	1:18:A:VAL:HG12	1:18:A:VAL:H	24	0.13
(2,900)	1:18:A:VAL:HG13	1:18:A:VAL:H	24	0.13
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	4	0.13
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	8	0.13
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	19	0.13
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	25	0.13
(2,881)	1:22:A:GLN:H	1:23:A:CYS:H	26	0.13
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	9	0.13
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	15	0.13
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	17	0.13
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	21	0.13
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	22	0.13
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	35	0.13
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	48	0.13
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	38	0.13
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	48	0.13
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	3	0.13
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	5	0.13
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	7	0.13
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	13	0.13
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	40	0.13
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	12	0.13
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	12	0.13
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	16	0.13
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	16	0.13
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	18	0.13
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	18	0.13
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	19	0.13
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	19	0.13
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	22	0.13
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	22	0.13
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	26	0.13
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	26	0.13
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	33	0.13
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	33	0.13
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	48	0.13
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	48	0.13
(2,861)	1:5:A:GLN:HB2	1:6:A:ALA:H	27	0.13
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	2	0.13
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	3	0.13
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	40	0.13
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	42	0.13
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	3	0.13
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	17	0.13
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	1	0.13
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	44	0.13
(2,815)	1:22:A:GLN:HB2	1:23:A:CYS:H	15	0.13
(2,815)	1:22:A:GLN:HB3	1:23:A:CYS:H	15	0.13
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	6	0.13
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	8	0.13
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	13	0.13
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	22	0.13
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	27	0.13
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	33	0.13
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	37	0.13
(2,771)	1:9:A:CYS:HB3	1:10:A:TYR:H	13	0.13
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	15	0.13
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	15	0.13
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	28	0.13
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	28	0.13
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	19	0.13
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	27	0.13
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	3	0.13
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	12	0.13
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	35	0.13
(2,736)	1:16:A:ASN:HB2	1:16:A:ASN:H	31	0.13
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	6	0.13
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	17	0.13
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	19	0.13
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	25	0.13
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	41	0.13
(2,728)	1:15:A:VAL:HG21	1:15:A:VAL:H	29	0.13
(2,728)	1:15:A:VAL:HG22	1:15:A:VAL:H	29	0.13
(2,728)	1:15:A:VAL:HG23	1:15:A:VAL:H	29	0.13
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	12	0.13
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	25	0.13
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	35	0.13
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	43	0.13
(2,707)	1:9:A:CYS:HB3	1:9:A:CYS:H	18	0.13
(2,703)	1:31:A:GLU:HG3	1:31:A:GLU:H	18	0.13
(2,703)	1:31:A:GLU:HG3	1:31:A:GLU:H	30	0.13
(2,703)	1:31:A:GLU:HG3	1:31:A:GLU:H	39	0.13
(2,703)	1:31:A:GLU:HG3	1:31:A:GLU:H	41	0.13
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	41	0.13
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	41	0.13
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	41	0.13
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	22	0.13
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	29	0.13
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	35	0.13
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	44	0.13
(2,683)	1:9:A:CYS:HB2	1:9:A:CYS:H	40	0.13
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	4	0.13
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	47	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	2	0.13
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	10	0.13
(2,655)	1:14:A:ASN:HB2	1:14:A:ASN:H	39	0.13
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	42	0.13
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	45	0.13
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	23	0.13
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	3	0.13
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	16	0.13
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	32	0.13
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	46	0.13
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	48	0.13
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	1	0.13
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	11	0.13
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	36	0.13
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	48	0.13
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	18	0.13
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	35	0.13
(2,609)	1:5:A:GLN:H	1:4:A:GLN:H	12	0.13
(2,609)	1:5:A:GLN:H	1:4:A:GLN:H	29	0.13
(2,609)	1:5:A:GLN:H	1:4:A:GLN:H	42	0.13
(2,608)	1:10:A:TYR:HB2	1:10:A:TYR:H	43	0.13
(2,607)	1:30:A:LEU:H	1:31:A:GLU:H	14	0.13
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	19	0.13
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	22	0.13
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	46	0.13
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	13	0.13
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	13	0.13
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	48	0.13
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	48	0.13
(2,595)	1:2:A:SER:HA	1:2:A:SER:HB3	14	0.13
(2,587)	1:10:A:TYR:HE1	1:24:A:TYR:HA	23	0.13
(2,587)	1:10:A:TYR:HE2	1:24:A:TYR:HA	23	0.13
(2,566)	1:6:A:ALA:HB1	1:31:A:GLU:HA	6	0.13
(2,566)	1:6:A:ALA:HB2	1:31:A:GLU:HA	6	0.13
(2,566)	1:6:A:ALA:HB3	1:31:A:GLU:HA	6	0.13
(2,564)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	7	0.13
(2,564)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	7	0.13
(2,564)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	7	0.13
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	6	0.13
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	6	0.13
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	6	0.13
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	27	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	27	0.13
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	27	0.13
(2,558)	1:19:A:PRO:HD3	1:18:A:VAL:HA	44	0.13
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	28	0.13
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	36	0.13
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	41	0.13
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	42	0.13
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	44	0.13
(2,554)	1:8:A:TYR:HA	1:11:A:GLU:HB2	9	0.13
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	2	0.13
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	10	0.13
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	28	0.13
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	30	0.13
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	32	0.13
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	38	0.13
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	44	0.13
(2,550)	1:3:A:PRO:HD3	1:2:A:SER:HA	18	0.13
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	6	0.13
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	8	0.13
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	29	0.13
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	44	0.13
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	5	0.13
(2,537)	1:17:A:LYS:HB3	1:17:A:LYS:HA	9	0.13
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	17	0.13
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	17	0.13
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	18	0.13
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	18	0.13
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	31	0.13
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	31	0.13
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	36	0.13
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	36	0.13
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	4	0.13
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	4	0.13
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	4	0.13
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	18	0.13
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	18	0.13
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	18	0.13
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	42	0.13
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	42	0.13
(2,524)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	42	0.13
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	20	0.13
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	48	0.13
(2,492)	1:10:A:TYR:HE1	1:27:A:CYS:HB3	31	0.13
(2,492)	1:10:A:TYR:HE2	1:27:A:CYS:HB3	31	0.13
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	8	0.13
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	14	0.13
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	19	0.13
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	35	0.13
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	47	0.13
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	12	0.13
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	17	0.13
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	40	0.13
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	26	0.13
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	47	0.13
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	15	0.13
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	16	0.13
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	20	0.13
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	22	0.13
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	25	0.13
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	40	0.13
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	45	0.13
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	17	0.13
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	17	0.13
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	18	0.13
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	18	0.13
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	31	0.13
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	31	0.13
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	36	0.13
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	36	0.13
(2,445)	1:31:A:GLU:HG3	1:31:A:GLU:H	18	0.13
(2,445)	1:31:A:GLU:HG3	1:31:A:GLU:H	30	0.13
(2,445)	1:31:A:GLU:HG3	1:31:A:GLU:H	39	0.13
(2,445)	1:31:A:GLU:HG3	1:31:A:GLU:H	41	0.13
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	42	0.13
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	45	0.13
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	41	0.13
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	41	0.13
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	41	0.13
(2,436)	1:30:A:LEU:H	1:31:A:GLU:H	14	0.13
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	23	0.13
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	4	0.13
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	4	0.13
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	18	0.13
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	18	0.13
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	18	0.13
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	42	0.13
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	42	0.13
(2,422)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	42	0.13
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	3	0.13
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	16	0.13
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	32	0.13
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	46	0.13
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	48	0.13
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	2	0.13
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	3	0.13
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	40	0.13
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	42	0.13
(2,392)	1:28:A:SER:HB3	1:28:A:SER:H	16	0.13
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	6	0.13
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	8	0.13
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	13	0.13
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	18	0.13
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	22	0.13
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	27	0.13
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	33	0.13
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	37	0.13
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	3	0.13
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	12	0.13
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	35	0.13
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	15	0.13
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	15	0.13
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	28	0.13
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	28	0.13
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	20	0.13
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	12	0.13
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	25	0.13
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	35	0.13
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	43	0.13
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	2	0.13
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	10	0.13
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	3	0.13
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	17	0.13
(2,314)	1:22:A:GLN:H	1:23:A:CYS:H	26	0.13
(2,312)	1:22:A:GLN:HB2	1:23:A:CYS:H	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,312)	1:22:A:GLN:HB3	1:23:A:CYS:H	15	0.13
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	47	0.13
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	47	0.13
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	12	0.13
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	12	0.13
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	16	0.13
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	16	0.13
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	18	0.13
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	18	0.13
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	19	0.13
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	19	0.13
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	22	0.13
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	22	0.13
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	26	0.13
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	26	0.13
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	33	0.13
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	33	0.13
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	48	0.13
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	48	0.13
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	18	0.13
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	35	0.13
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	17	0.13
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	48	0.13
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	9	0.13
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	15	0.13
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	17	0.13
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	20	0.13
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	21	0.13
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	22	0.13
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	35	0.13
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	48	0.13
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	2	0.13
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	10	0.13
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	28	0.13
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	30	0.13
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	32	0.13
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	38	0.13
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	44	0.13
(2,248)	1:19:A:PRO:HD3	1:18:A:VAL:HA	44	0.13
(2,246)	1:18:A:VAL:HG11	1:18:A:VAL:H	24	0.13
(2,246)	1:18:A:VAL:HG12	1:18:A:VAL:H	24	0.13
(2,246)	1:18:A:VAL:HG13	1:18:A:VAL:H	24	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	6	0.13
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	8	0.13
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	29	0.13
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	44	0.13
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	5	0.13
(2,226)	1:17:A:LYS:HB3	1:17:A:LYS:HA	9	0.13
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	3	0.13
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	5	0.13
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	7	0.13
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	13	0.13
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	40	0.13
(2,219)	1:16:A:ASN:HB2	1:16:A:ASN:H	31	0.13
(2,210)	1:15:A:VAL:HG21	1:15:A:VAL:H	29	0.13
(2,210)	1:15:A:VAL:HG22	1:15:A:VAL:H	29	0.13
(2,210)	1:15:A:VAL:HG23	1:15:A:VAL:H	29	0.13
(2,198)	1:14:A:ASN:HB2	1:14:A:ASN:H	39	0.13
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	22	0.13
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	29	0.13
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	35	0.13
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	44	0.13
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	38	0.13
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	48	0.13
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	8	0.13
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	14	0.13
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	19	0.13
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	35	0.13
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	47	0.13
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	6	0.13
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	17	0.13
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	19	0.13
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	25	0.13
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	41	0.13
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	4	0.13
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	8	0.13
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	19	0.13
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	25	0.13
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	4	0.13
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	47	0.13
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	40	0.13
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	20	0.13
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	34	0.13
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	27	0.13
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	19	0.13
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	22	0.13
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	46	0.13
(2,147)	1:10:A:TYR:HE1	1:27:A:CYS:HB3	31	0.13
(2,147)	1:10:A:TYR:HE2	1:27:A:CYS:HB3	31	0.13
(2,144)	1:10:A:TYR:HE1	1:24:A:TYR:HA	23	0.13
(2,144)	1:10:A:TYR:HE2	1:24:A:TYR:HA	23	0.13
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	1	0.13
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	11	0.13
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	36	0.13
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	48	0.13
(2,131)	1:10:A:TYR:HB2	1:10:A:TYR:H	43	0.13
(2,118)	1:9:A:CYS:HB3	1:10:A:TYR:H	13	0.13
(2,113)	1:9:A:CYS:HB3	1:9:A:CYS:H	18	0.13
(2,112)	1:9:A:CYS:HB2	1:9:A:CYS:H	40	0.13
(2,104)	1:8:A:TYR:HA	1:11:A:GLU:HB3	49	0.13
(2,102)	1:8:A:TYR:HA	1:11:A:GLU:HB2	9	0.13
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	6	0.13
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	6	0.13
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	16	0.13
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	16	0.13
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	19	0.13
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	19	0.13
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	12	0.13
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	17	0.13
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	40	0.13
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	26	0.13
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	47	0.13
(2,66)	1:6:A:ALA:HB1	1:31:A:GLU:HA	6	0.13
(2,66)	1:6:A:ALA:HB2	1:31:A:GLU:HA	6	0.13
(2,66)	1:6:A:ALA:HB3	1:31:A:GLU:HA	6	0.13
(2,65)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	7	0.13
(2,65)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	7	0.13
(2,65)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	7	0.13
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	6	0.13
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	6	0.13
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	6	0.13
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	27	0.13
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	27	0.13
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	27	0.13
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	28	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	36	0.13
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	41	0.13
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	42	0.13
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	44	0.13
(2,45)	1:5:A:GLN:HB2	1:6:A:ALA:H	27	0.13
(2,36)	1:5:A:GLN:H	1:4:A:GLN:H	12	0.13
(2,36)	1:5:A:GLN:H	1:4:A:GLN:H	29	0.13
(2,36)	1:5:A:GLN:H	1:4:A:GLN:H	42	0.13
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	13	0.13
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	13	0.13
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	48	0.13
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	48	0.13
(2,7)	1:3:A:PRO:HD3	1:2:A:SER:HA	18	0.13
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	1	0.13
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	44	0.13
(2,2)	1:2:A:SER:HA	1:2:A:SER:HB3	14	0.13
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	15	0.13
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	15	0.13
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	15	0.13
(1,997)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	23	0.13
(1,997)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	39	0.13
(1,993)	1:23:A:CYS:HA	1:25:A:GLN:HB3	23	0.13
(1,957)	1:31:A:GLU:HB2	1:30:A:LEU:HD22	39	0.13
(1,955)	1:18:A:VAL:HG23	1:22:A:GLN:HB3	1	0.13
(1,955)	1:18:A:VAL:HG22	1:22:A:GLN:HB3	35	0.13
(1,955)	1:18:A:VAL:HG22	1:22:A:GLN:HB3	45	0.13
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	38	0.13
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	47	0.13
(1,917)	1:28:A:SER:HB3	1:28:A:SER:H	16	0.13
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	20	0.13
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	34	0.13
(1,886)	1:8:A:TYR:HA	1:11:A:GLU:HB3	49	0.13
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	40	0.13
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	15	0.13
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	16	0.13
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	20	0.13
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	22	0.13
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	25	0.13
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	40	0.13
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	45	0.13
(1,874)	1:18:A:VAL:HG11	1:18:A:VAL:H	24	0.13
(1,874)	1:18:A:VAL:HG12	1:18:A:VAL:H	24	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:18:A:VAL:HG13	1:18:A:VAL:H	24	0.13
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	4	0.13
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	8	0.13
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	19	0.13
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	25	0.13
(1,855)	1:22:A:GLN:H	1:23:A:CYS:H	26	0.13
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	9	0.13
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	15	0.13
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	17	0.13
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	20	0.13
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	21	0.13
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	22	0.13
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	35	0.13
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	48	0.13
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	38	0.13
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	48	0.13
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	3	0.13
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	5	0.13
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	7	0.13
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	13	0.13
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	40	0.13
(1,835)	1:5:A:GLN:HB2	1:6:A:ALA:H	27	0.13
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	2	0.13
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	3	0.13
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	40	0.13
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	42	0.13
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	3	0.13
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	17	0.13
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	10	0.13
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	30	0.13
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	1	0.13
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	44	0.13
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	6	0.13
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	8	0.13
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	13	0.13
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	18	0.13
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	22	0.13
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	27	0.13
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	33	0.13
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	37	0.13
(1,746)	1:9:A:CYS:HB3	1:10:A:TYR:H	13	0.13
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	27	0.13
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	3	0.13
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	12	0.13
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	35	0.13
(1,712)	1:16:A:ASN:HB2	1:16:A:ASN:H	31	0.13
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	6	0.13
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	17	0.13
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	19	0.13
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	25	0.13
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	41	0.13
(1,704)	1:15:A:VAL:HG21	1:15:A:VAL:H	29	0.13
(1,704)	1:15:A:VAL:HG22	1:15:A:VAL:H	29	0.13
(1,704)	1:15:A:VAL:HG23	1:15:A:VAL:H	29	0.13
(1,695)	1:33:A:SER:HB2	1:33:A:SER:H	20	0.13
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	12	0.13
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	25	0.13
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	35	0.13
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	43	0.13
(1,683)	1:9:A:CYS:HB3	1:9:A:CYS:H	18	0.13
(1,681)	1:4:A:GLN:HG2	1:4:A:GLN:H	50	0.13
(1,679)	1:31:A:GLU:HG3	1:31:A:GLU:H	18	0.13
(1,679)	1:31:A:GLU:HG3	1:31:A:GLU:H	30	0.13
(1,679)	1:31:A:GLU:HG3	1:31:A:GLU:H	39	0.13
(1,679)	1:31:A:GLU:HG3	1:31:A:GLU:H	41	0.13
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	41	0.13
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	41	0.13
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	41	0.13
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	22	0.13
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	29	0.13
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	35	0.13
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	44	0.13
(1,660)	1:9:A:CYS:HB2	1:9:A:CYS:H	40	0.13
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	4	0.13
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	47	0.13
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	2	0.13
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	10	0.13
(1,636)	1:14:A:ASN:HB2	1:14:A:ASN:H	39	0.13
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	42	0.13
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	45	0.13
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	23	0.13
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	3	0.13
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	32	0.13
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	46	0.13
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	48	0.13
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	1	0.13
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	11	0.13
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	36	0.13
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	48	0.13
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	18	0.13
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	35	0.13
(1,592)	1:5:A:GLN:H	1:4:A:GLN:H	12	0.13
(1,592)	1:5:A:GLN:H	1:4:A:GLN:H	29	0.13
(1,592)	1:5:A:GLN:H	1:4:A:GLN:H	42	0.13
(1,591)	1:10:A:TYR:HB2	1:10:A:TYR:H	43	0.13
(1,590)	1:30:A:LEU:H	1:31:A:GLU:H	14	0.13
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	19	0.13
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	22	0.13
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	46	0.13
(1,578)	1:2:A:SER:HA	1:2:A:SER:HB3	14	0.13
(1,571)	1:10:A:TYR:HE1	1:24:A:TYR:HA	23	0.13
(1,571)	1:10:A:TYR:HE2	1:24:A:TYR:HA	23	0.13
(1,556)	1:6:A:ALA:HB1	1:31:A:GLU:HA	6	0.13
(1,556)	1:6:A:ALA:HB2	1:31:A:GLU:HA	6	0.13
(1,556)	1:6:A:ALA:HB3	1:31:A:GLU:HA	6	0.13
(1,554)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	7	0.13
(1,554)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	7	0.13
(1,554)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	7	0.13
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	6	0.13
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	6	0.13
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	6	0.13
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	27	0.13
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	27	0.13
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	27	0.13
(1,548)	1:19:A:PRO:HD3	1:18:A:VAL:HA	44	0.13
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	28	0.13
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	36	0.13
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	41	0.13
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	42	0.13
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	44	0.13
(1,544)	1:8:A:TYR:HA	1:11:A:GLU:HB2	9	0.13
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	2	0.13
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	10	0.13
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	28	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	30	0.13
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	32	0.13
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	38	0.13
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	44	0.13
(1,540)	1:3:A:PRO:HD3	1:2:A:SER:HA	18	0.13
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	6	0.13
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	8	0.13
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	29	0.13
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	44	0.13
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	5	0.13
(1,527)	1:17:A:LYS:HB3	1:17:A:LYS:HA	9	0.13
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	4	0.13
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	4	0.13
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	4	0.13
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	18	0.13
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	18	0.13
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	18	0.13
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	42	0.13
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	42	0.13
(1,514)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	42	0.13
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	20	0.13
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	17	0.13
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	48	0.13
(1,482)	1:10:A:TYR:HE1	1:27:A:CYS:HB3	31	0.13
(1,482)	1:10:A:TYR:HE2	1:27:A:CYS:HB3	31	0.13
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	8	0.13
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	14	0.13
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	19	0.13
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	35	0.13
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	47	0.13
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	12	0.13
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	17	0.13
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	40	0.13
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	26	0.13
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	47	0.13
(1,439)	1:6:A:ALA:HB3	1:31:A:GLU:HB3	32	0.13
(1,439)	1:6:A:ALA:HB3	1:31:A:GLU:HB3	36	0.13
(1,438)	1:6:A:ALA:HB2	1:31:A:GLU:H	35	0.13
(1,429)	1:18:A:VAL:HG22	1:22:A:GLN:HG2	35	0.13
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG12	2	0.13
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG12	27	0.13
(1,400)	1:15:A:VAL:HG13	1:15:A:VAL:HG21	36	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:4:A:GLN:H	1:4:A:GLN:HG3	3	0.13
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE3	15	0.13
(1,294)	1:13:A:CYS:H	1:10:A:TYR:HA	29	0.13
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	7	0.13
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	13	0.13
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	19	0.13
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	22	0.13
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	29	0.13
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	24	0.13
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	48	0.13
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	27	0.13
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	18	0.13
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	37	0.13
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	20	0.13
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	24	0.13
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	12	0.13
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	35	0.13
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	4	0.13
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	32	0.13
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	34	0.13
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	36	0.13
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	37	0.13
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	45	0.13
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	48	0.13
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	49	0.13
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG12	4	0.13
(1,194)	1:26:A:MET:HE1	1:18:A:VAL:HG12	13	0.13
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG12	41	0.13
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	13	0.13
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG23	7	0.13
(1,186)	1:26:A:MET:HE3	1:18:A:VAL:HG21	26	0.13
(1,186)	1:26:A:MET:HE1	1:18:A:VAL:HG23	39	0.13
(1,180)	1:14:A:ASN:HA	1:17:A:LYS:HA	30	0.13
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG11	42	0.13
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG21	26	0.13
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG22	42	0.13
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	21	0.13
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB1	46	0.13
(1,159)	1:18:A:VAL:HB	1:19:A:PRO:HD3	24	0.13
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	36	0.13
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	41	0.13
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	50	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,150)	1:8:A:TYR:HA	1:11:A:GLU:HB2	35	0.13
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG13	6	0.13
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	32	0.13
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	46	0.13
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG12	47	0.13
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	26	0.13
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	28	0.13
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	34	0.13
(1,111)	1:30:A:LEU:HD22	1:30:A:LEU:HA	34	0.13
(1,86)	1:24:A:TYR:HE2	1:24:A:TYR:HB2	32	0.13
(1,82)	1:24:A:TYR:HD2	1:28:A:SER:HB3	20	0.13
(1,52)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	43	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	1	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	3	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	5	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	8	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	11	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	14	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	17	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	21	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	22	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	24	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	25	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	26	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	27	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	28	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	35	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	36	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	37	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	44	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	45	0.13
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	46	0.13
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	45	0.12
(2,922)	1:10:A:TYR:HD1	1:10:A:TYR:H	8	0.12
(2,922)	1:10:A:TYR:HD2	1:10:A:TYR:H	8	0.12
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	10	0.12
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	10	0.12
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	1	0.12
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	1	0.12
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	2	0.12
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	2	0.12
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	8	0.12
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	22	0.12
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	22	0.12
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	28	0.12
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	28	0.12
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	41	0.12
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	41	0.12
(2,909)	1:8:A:TYR:HB2	1:8:A:TYR:H	45	0.12
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	46	0.12
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	50	0.12
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	2	0.12
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	3	0.12
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	9	0.12
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	18	0.12
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	23	0.12
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	31	0.12
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	32	0.12
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	34	0.12
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	36	0.12
(2,903)	1:33:A:SER:HA	1:33:A:SER:H	49	0.12
(2,900)	1:18:A:VAL:HG11	1:18:A:VAL:H	37	0.12
(2,900)	1:18:A:VAL:HG12	1:18:A:VAL:H	37	0.12
(2,900)	1:18:A:VAL:HG13	1:18:A:VAL:H	37	0.12
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	9	0.12
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	11	0.12
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	23	0.12
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	41	0.12
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	34	0.12
(2,881)	1:22:A:GLN:H	1:23:A:CYS:H	6	0.12
(2,881)	1:22:A:GLN:H	1:23:A:CYS:H	18	0.12
(2,881)	1:22:A:GLN:H	1:23:A:CYS:H	30	0.12
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	2	0.12
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	14	0.12
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	19	0.12
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	33	0.12
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	41	0.12
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	45	0.12
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	46	0.12
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	10	0.12
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	10	0.12
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	44	0.12
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	44	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	50	0.12
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	50	0.12
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	36	0.12
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	36	0.12
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	36	0.12
(2,870)	1:13:A:CYS:HA	1:13:A:CYS:HB3	33	0.12
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	18	0.12
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	23	0.12
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	1	0.12
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	1	0.12
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	23	0.12
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	23	0.12
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	25	0.12
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	25	0.12
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	27	0.12
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	27	0.12
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	32	0.12
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	32	0.12
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	38	0.12
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	38	0.12
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	42	0.12
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	42	0.12
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	47	0.12
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	47	0.12
(2,863)	1:31:A:GLU:H	1:32:A:ARG:H	10	0.12
(2,861)	1:5:A:GLN:HB2	1:6:A:ALA:H	2	0.12
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	5	0.12
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	28	0.12
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	50	0.12
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	23	0.12
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	47	0.12
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	13	0.12
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	23	0.12
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	48	0.12
(2,837)	1:4:A:GLN:HB2	1:4:A:GLN:H	43	0.12
(2,837)	1:4:A:GLN:HB3	1:4:A:GLN:H	43	0.12
(2,815)	1:22:A:GLN:HB2	1:23:A:CYS:H	2	0.12
(2,815)	1:22:A:GLN:HB3	1:23:A:CYS:H	2	0.12
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	32	0.12
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	1	0.12
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	17	0.12
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	21	0.12
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	44	0.12
(2,777)	1:5:A:GLN:HA	1:8:A:TYR:H	46	0.12
(2,767)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	26	0.12
(2,767)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	26	0.12
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	3	0.12
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	3	0.12
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	18	0.12
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	18	0.12
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	26	0.12
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	26	0.12
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	27	0.12
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	27	0.12
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	7	0.12
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	24	0.12
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	9	0.12
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	8	0.12
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	46	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	4	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	4	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	4	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	5	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	5	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	5	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	12	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	12	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	12	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	17	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	17	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	17	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	24	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	24	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	24	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	30	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	30	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	30	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	39	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	39	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	39	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	47	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	47	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	47	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	49	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	49	0.12
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	49	0.12
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	3	0.12
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	4	0.12
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	6	0.12
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	9	0.12
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	10	0.12
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	22	0.12
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	28	0.12
(2,707)	1:9:A:CYS:HB3	1:9:A:CYS:H	43	0.12
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	2	0.12
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	3	0.12
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	6	0.12
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	12	0.12
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	20	0.12
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	9	0.12
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	15	0.12
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	25	0.12
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	42	0.12
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	47	0.12
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE1	19	0.12
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE2	19	0.12
(2,687)	1:23:A:CYS:HA	1:26:A:MET:HE3	19	0.12
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	13	0.12
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	17	0.12
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	23	0.12
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	2	0.12
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	11	0.12
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	17	0.12
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	25	0.12
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	42	0.12
(2,664)	1:15:A:VAL:HG11	1:12:A:GLN:HE22	31	0.12
(2,664)	1:15:A:VAL:HG12	1:12:A:GLN:HE22	31	0.12
(2,664)	1:15:A:VAL:HG13	1:12:A:GLN:HE22	31	0.12
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	29	0.12
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	29	0.12
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	45	0.12
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	45	0.12
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	26	0.12
(2,633)	1:30:A:LEU:HB2	1:30:A:LEU:HA	37	0.12
(2,633)	1:30:A:LEU:HB2	1:30:A:LEU:HA	39	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	2	0.12
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	23	0.12
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	29	0.12
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	30	0.12
(2,622)	1:10:A:TYR:HB2	1:11:A:GLU:H	13	0.12
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	7	0.12
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	20	0.12
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	21	0.12
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	22	0.12
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	25	0.12
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	28	0.12
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	39	0.12
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	6	0.12
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	24	0.12
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	44	0.12
(2,607)	1:30:A:LEU:H	1:31:A:GLU:H	3	0.12
(2,607)	1:30:A:LEU:H	1:31:A:GLU:H	40	0.12
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	38	0.12
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	33	0.12
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	33	0.12
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG11	20	0.12
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG12	20	0.12
(2,589)	1:26:A:MET:HE1	1:18:A:VAL:HG13	20	0.12
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG11	20	0.12
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG12	20	0.12
(2,589)	1:26:A:MET:HE2	1:18:A:VAL:HG13	20	0.12
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG11	20	0.12
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG12	20	0.12
(2,589)	1:26:A:MET:HE3	1:18:A:VAL:HG13	20	0.12
(2,587)	1:10:A:TYR:HE1	1:24:A:TYR:HA	5	0.12
(2,587)	1:10:A:TYR:HE2	1:24:A:TYR:HA	5	0.12
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	28	0.12
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	33	0.12
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	37	0.12
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG11	31	0.12
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG12	31	0.12
(2,577)	1:16:A:ASN:HB3	1:18:A:VAL:HG13	31	0.12
(2,570)	1:13:A:CYS:HB2	1:10:A:TYR:HA	3	0.12
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	19	0.12
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	19	0.12
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	19	0.12
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	37	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	37	0.12
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	37	0.12
(2,567)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	41	0.12
(2,567)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	41	0.12
(2,567)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	41	0.12
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	41	0.12
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	41	0.12
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	41	0.12
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	34	0.12
(2,555)	1:20:A:PHE:HA	1:23:A:CYS:HB3	33	0.12
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	12	0.12
(2,550)	1:3:A:PRO:HD3	1:2:A:SER:HA	12	0.12
(2,550)	1:3:A:PRO:HD3	1:2:A:SER:HA	48	0.12
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	39	0.12
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	48	0.12
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	8	0.12
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	18	0.12
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	38	0.12
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	27	0.12
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	27	0.12
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	28	0.12
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	28	0.12
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	12	0.12
(2,483)	1:13:A:CYS:HA	1:13:A:CYS:HB2	49	0.12
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	6	0.12
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	19	0.12
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	25	0.12
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	43	0.12
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	16	0.12
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	46	0.12
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	2	0.12
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	3	0.12
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	9	0.12
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	18	0.12
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	23	0.12
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	31	0.12
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	32	0.12
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	34	0.12
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	36	0.12
(2,466)	1:33:A:SER:HA	1:33:A:SER:H	49	0.12
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	32	0.12
(2,455)	1:31:A:GLU:H	1:32:A:ARG:H	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,436)	1:30:A:LEU:H	1:31:A:GLU:H	3	0.12
(2,436)	1:30:A:LEU:H	1:31:A:GLU:H	40	0.12
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	26	0.12
(2,429)	1:30:A:LEU:HB2	1:30:A:LEU:HA	37	0.12
(2,429)	1:30:A:LEU:HB2	1:30:A:LEU:HA	39	0.12
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	2	0.12
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	23	0.12
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	29	0.12
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	30	0.12
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	23	0.12
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	47	0.12
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	42	0.12
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	47	0.12
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	1	0.12
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	17	0.12
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	20	0.12
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	21	0.12
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	44	0.12
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	9	0.12
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG11	20	0.12
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG12	20	0.12
(2,362)	1:26:A:MET:HE1	1:18:A:VAL:HG13	20	0.12
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG11	20	0.12
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG12	20	0.12
(2,362)	1:26:A:MET:HE2	1:18:A:VAL:HG13	20	0.12
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG11	20	0.12
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG12	20	0.12
(2,362)	1:26:A:MET:HE3	1:18:A:VAL:HG13	20	0.12
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	3	0.12
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	3	0.12
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	18	0.12
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	18	0.12
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	26	0.12
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	26	0.12
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	27	0.12
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	27	0.12
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	3	0.12
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	4	0.12
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	6	0.12
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	9	0.12
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	10	0.12
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	22	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	28	0.12
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	17	0.12
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	23	0.12
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	13	0.12
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	23	0.12
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	48	0.12
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE1	19	0.12
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE2	19	0.12
(2,327)	1:23:A:CYS:HA	1:26:A:MET:HE3	19	0.12
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	5	0.12
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	28	0.12
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	50	0.12
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	28	0.12
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	33	0.12
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	37	0.12
(2,314)	1:22:A:GLN:H	1:23:A:CYS:H	6	0.12
(2,314)	1:22:A:GLN:H	1:23:A:CYS:H	18	0.12
(2,314)	1:22:A:GLN:H	1:23:A:CYS:H	30	0.12
(2,312)	1:22:A:GLN:HB2	1:23:A:CYS:H	2	0.12
(2,312)	1:22:A:GLN:HB3	1:23:A:CYS:H	2	0.12
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	10	0.12
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	10	0.12
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	18	0.12
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	1	0.12
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	1	0.12
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	23	0.12
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	23	0.12
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	25	0.12
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	25	0.12
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	27	0.12
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	27	0.12
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	32	0.12
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	32	0.12
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	38	0.12
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	38	0.12
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	42	0.12
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	42	0.12
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	47	0.12
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	47	0.12
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	6	0.12
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	24	0.12
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	44	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,286)	1:20:A:PHE:HA	1:23:A:CYS:HB3	33	0.12
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	8	0.12
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	18	0.12
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	38	0.12
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	2	0.12
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	14	0.12
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	19	0.12
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	33	0.12
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	41	0.12
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	45	0.12
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	46	0.12
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	12	0.12
(2,246)	1:18:A:VAL:HG11	1:18:A:VAL:H	37	0.12
(2,246)	1:18:A:VAL:HG12	1:18:A:VAL:H	37	0.12
(2,246)	1:18:A:VAL:HG13	1:18:A:VAL:H	37	0.12
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	39	0.12
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	48	0.12
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	23	0.12
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	9	0.12
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	15	0.12
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	25	0.12
(2,188)	1:13:A:CYS:HA	1:13:A:CYS:HB3	33	0.12
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	12	0.12
(2,184)	1:13:A:CYS:HA	1:13:A:CYS:HB2	49	0.12
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	8	0.12
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	46	0.12
(2,181)	1:13:A:CYS:HB2	1:10:A:TYR:HA	3	0.12
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	9	0.12
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	11	0.12
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	23	0.12
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	41	0.12
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	13	0.12
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	2	0.12
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	11	0.12
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	17	0.12
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	25	0.12
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	42	0.12
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	46	0.12
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	50	0.12
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	45	0.12
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	7	0.12
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	24	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	38	0.12
(2,149)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	26	0.12
(2,149)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	26	0.12
(2,144)	1:10:A:TYR:HE1	1:24:A:TYR:HA	5	0.12
(2,144)	1:10:A:TYR:HE2	1:24:A:TYR:HA	5	0.12
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	27	0.12
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	27	0.12
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	28	0.12
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	28	0.12
(2,141)	1:10:A:TYR:HB2	1:11:A:GLU:H	13	0.12
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	7	0.12
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	20	0.12
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	21	0.12
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	22	0.12
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	25	0.12
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	28	0.12
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	39	0.12
(2,138)	1:10:A:TYR:HD1	1:10:A:TYR:H	8	0.12
(2,138)	1:10:A:TYR:HD2	1:10:A:TYR:H	8	0.12
(2,113)	1:9:A:CYS:HB3	1:9:A:CYS:H	43	0.12
(2,95)	1:8:A:TYR:HB2	1:8:A:TYR:H	45	0.12
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	1	0.12
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	1	0.12
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	2	0.12
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	2	0.12
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	8	0.12
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	8	0.12
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	22	0.12
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	22	0.12
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	28	0.12
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	28	0.12
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	41	0.12
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	41	0.12
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	6	0.12
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	19	0.12
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	25	0.12
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	43	0.12
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	16	0.12
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	46	0.12
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	19	0.12
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	19	0.12
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	37	0.12
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	37	0.12
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	37	0.12
(2,67)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	41	0.12
(2,67)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	41	0.12
(2,67)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	41	0.12
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	41	0.12
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	41	0.12
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	41	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	4	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	4	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	4	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	5	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	5	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	5	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	12	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	12	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	12	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	17	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	17	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	17	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	24	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	24	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	24	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	30	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	30	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	30	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	39	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	39	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	39	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	47	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	47	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	47	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	49	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	49	0.12
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	49	0.12
(2,48)	1:5:A:GLN:HA	1:8:A:TYR:H	46	0.12
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	34	0.12
(2,45)	1:5:A:GLN:HB2	1:6:A:ALA:H	2	0.12
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	2	0.12
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	3	0.12
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	12	0.12
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	20	0.12
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	29	0.12
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	29	0.12
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	45	0.12
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	45	0.12
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	34	0.12
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	10	0.12
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	10	0.12
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	44	0.12
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	44	0.12
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	50	0.12
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	50	0.12
(2,28)	1:4:A:GLN:HB2	1:4:A:GLN:H	43	0.12
(2,28)	1:4:A:GLN:HB3	1:4:A:GLN:H	43	0.12
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	36	0.12
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	36	0.12
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	36	0.12
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	33	0.12
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	33	0.12
(2,7)	1:3:A:PRO:HD3	1:2:A:SER:HA	12	0.12
(2,7)	1:3:A:PRO:HD3	1:2:A:SER:HA	48	0.12
(1,1041)	1:22:A:GLN:HG3	1:25:A:GLN:H	3	0.12
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	48	0.12
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	48	0.12
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	48	0.12
(1,997)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	14	0.12
(1,997)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	20	0.12
(1,997)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	41	0.12
(1,997)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	48	0.12
(1,980)	1:3:A:PRO:HD2	1:2:A:SER:HA	15	0.12
(1,955)	1:18:A:VAL:HG22	1:22:A:GLN:HB3	10	0.12
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	9	0.12
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	40	0.12
(1,933)	1:11:A:GLU:HA	1:11:A:GLU:HG2	24	0.12
(1,932)	1:8:A:TYR:HD1	1:12:A:GLN:HG3	30	0.12
(1,926)	1:5:A:GLN:HA	1:5:A:GLN:HG2	42	0.12
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	45	0.12
(1,896)	1:10:A:TYR:HD1	1:10:A:TYR:H	8	0.12
(1,896)	1:10:A:TYR:HD2	1:10:A:TYR:H	8	0.12
(1,883)	1:8:A:TYR:HB2	1:8:A:TYR:H	45	0.12
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	46	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	50	0.12
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	2	0.12
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	3	0.12
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	9	0.12
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	18	0.12
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	23	0.12
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	31	0.12
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	32	0.12
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	34	0.12
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	36	0.12
(1,877)	1:33:A:SER:HA	1:33:A:SER:H	49	0.12
(1,874)	1:18:A:VAL:HG11	1:18:A:VAL:H	37	0.12
(1,874)	1:18:A:VAL:HG12	1:18:A:VAL:H	37	0.12
(1,874)	1:18:A:VAL:HG13	1:18:A:VAL:H	37	0.12
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	9	0.12
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	11	0.12
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	23	0.12
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	41	0.12
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	34	0.12
(1,855)	1:22:A:GLN:H	1:23:A:CYS:H	6	0.12
(1,855)	1:22:A:GLN:H	1:23:A:CYS:H	18	0.12
(1,855)	1:22:A:GLN:H	1:23:A:CYS:H	30	0.12
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	2	0.12
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	14	0.12
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	19	0.12
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	33	0.12
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	41	0.12
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	45	0.12
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	46	0.12
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	36	0.12
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	36	0.12
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	36	0.12
(1,844)	1:13:A:CYS:HA	1:13:A:CYS:HB3	33	0.12
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	18	0.12
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	23	0.12
(1,837)	1:31:A:GLU:H	1:32:A:ARG:H	10	0.12
(1,835)	1:5:A:GLN:HB2	1:6:A:ALA:H	2	0.12
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	5	0.12
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	28	0.12
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	50	0.12
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	23	0.12
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	47	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	13	0.12
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	23	0.12
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	48	0.12
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	32	0.12
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	1	0.12
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	17	0.12
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	20	0.12
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	21	0.12
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	44	0.12
(1,752)	1:5:A:GLN:HA	1:8:A:TYR:H	46	0.12
(1,742)	1:10:A:TYR:HD1	1:27:A:CYS:HB3	26	0.12
(1,742)	1:10:A:TYR:HD2	1:27:A:CYS:HB3	26	0.12
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	7	0.12
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	24	0.12
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	9	0.12
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	8	0.12
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	46	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	4	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	4	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	4	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	5	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	5	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	5	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	12	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	12	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	12	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	17	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	17	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	17	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	24	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	24	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	24	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	30	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	30	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	30	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	39	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	39	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	39	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	47	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	47	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	47	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	49	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	49	0.12
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	49	0.12
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	3	0.12
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	4	0.12
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	6	0.12
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	9	0.12
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	10	0.12
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	22	0.12
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	28	0.12
(1,683)	1:9:A:CYS:HB3	1:9:A:CYS:H	43	0.12
(1,681)	1:4:A:GLN:HG2	1:4:A:GLN:H	43	0.12
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	2	0.12
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	3	0.12
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	6	0.12
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	12	0.12
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	20	0.12
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	9	0.12
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	15	0.12
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	25	0.12
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	42	0.12
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	47	0.12
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE1	19	0.12
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE2	19	0.12
(1,664)	1:23:A:CYS:HA	1:26:A:MET:HE3	19	0.12
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	13	0.12
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	17	0.12
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	23	0.12
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	2	0.12
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	11	0.12
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	17	0.12
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	25	0.12
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	42	0.12
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	26	0.12
(1,614)	1:30:A:LEU:HB2	1:30:A:LEU:HA	37	0.12
(1,614)	1:30:A:LEU:HB2	1:30:A:LEU:HA	39	0.12
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	2	0.12
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	23	0.12
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	29	0.12
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	30	0.12
(1,605)	1:10:A:TYR:HB2	1:11:A:GLU:H	13	0.12
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	7	0.12
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	21	0.12
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	22	0.12
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	25	0.12
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	28	0.12
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	39	0.12
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	6	0.12
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	24	0.12
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	44	0.12
(1,590)	1:30:A:LEU:H	1:31:A:GLU:H	3	0.12
(1,590)	1:30:A:LEU:H	1:31:A:GLU:H	40	0.12
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	38	0.12
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG11	20	0.12
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG12	20	0.12
(1,572)	1:26:A:MET:HE1	1:18:A:VAL:HG13	20	0.12
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG11	20	0.12
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG12	20	0.12
(1,572)	1:26:A:MET:HE2	1:18:A:VAL:HG13	20	0.12
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG11	20	0.12
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG12	20	0.12
(1,572)	1:26:A:MET:HE3	1:18:A:VAL:HG13	20	0.12
(1,571)	1:10:A:TYR:HE1	1:24:A:TYR:HA	5	0.12
(1,571)	1:10:A:TYR:HE2	1:24:A:TYR:HA	5	0.12
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	28	0.12
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	33	0.12
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	37	0.12
(1,559)	1:13:A:CYS:HB2	1:10:A:TYR:HA	3	0.12
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	19	0.12
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	19	0.12
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	19	0.12
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	37	0.12
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	37	0.12
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	37	0.12
(1,557)	1:6:A:ALA:HB1	1:31:A:GLU:HG3	41	0.12
(1,557)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	41	0.12
(1,557)	1:6:A:ALA:HB3	1:31:A:GLU:HG3	41	0.12
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	41	0.12
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	41	0.12
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	41	0.12
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	34	0.12
(1,545)	1:20:A:PHE:HA	1:23:A:CYS:HB3	33	0.12
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	12	0.12
(1,540)	1:3:A:PRO:HD3	1:2:A:SER:HA	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,540)	1:3:A:PRO:HD3	1:2:A:SER:HA	48	0.12
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	39	0.12
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	48	0.12
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	8	0.12
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	18	0.12
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	38	0.12
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	27	0.12
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	27	0.12
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	28	0.12
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	28	0.12
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	12	0.12
(1,473)	1:13:A:CYS:HA	1:13:A:CYS:HB2	49	0.12
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	6	0.12
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	19	0.12
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	25	0.12
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	43	0.12
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	16	0.12
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	46	0.12
(1,440)	1:31:A:GLU:HB2	1:30:A:LEU:HD21	49	0.12
(1,439)	1:6:A:ALA:HB1	1:31:A:GLU:HB3	13	0.12
(1,439)	1:6:A:ALA:HB2	1:31:A:GLU:HB3	21	0.12
(1,438)	1:6:A:ALA:HB3	1:31:A:GLU:H	9	0.12
(1,400)	1:15:A:VAL:HG11	1:15:A:VAL:HG22	6	0.12
(1,400)	1:15:A:VAL:HG13	1:15:A:VAL:HG22	30	0.12
(1,378)	1:25:A:GLN:HG2	1:25:A:GLN:H	1	0.12
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	23	0.12
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE3	27	0.12
(1,288)	1:12:A:GLN:H	1:12:A:GLN:HB3	33	0.12
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	41	0.12
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	16	0.12
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	1	0.12
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	41	0.12
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	48	0.12
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	50	0.12
(1,234)	1:26:A:MET:H	1:26:A:MET:HG2	3	0.12
(1,218)	1:23:A:CYS:H	1:23:A:CYS:HB3	38	0.12
(1,218)	1:23:A:CYS:H	1:23:A:CYS:HB3	47	0.12
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	10	0.12
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	17	0.12
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	40	0.12
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	42	0.12
(1,206)	1:21:A:ASP:H	1:21:A:ASP:HB2	46	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	16	0.12
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	36	0.12
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG13	2	0.12
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	23	0.12
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG22	40	0.12
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG11	30	0.12
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG12	17	0.12
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG11	40	0.12
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG22	30	0.12
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG21	46	0.12
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	26	0.12
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	30	0.12
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	41	0.12
(1,167)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	30	0.12
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB3	25	0.12
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB2	28	0.12
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB1	38	0.12
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	2	0.12
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	4	0.12
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	16	0.12
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	28	0.12
(1,151)	1:8:A:TYR:HA	1:11:A:GLU:HB3	41	0.12
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	19	0.12
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	41	0.12
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG11	10	0.12
(1,132)	1:17:A:LYS:HA	1:17:A:LYS:HB2	42	0.12
(1,131)	1:17:A:LYS:HA	1:17:A:LYS:HD2	33	0.12
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	21	0.12
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	24	0.12
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	25	0.12
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	34	0.12
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	36	0.12
(1,111)	1:30:A:LEU:HD22	1:30:A:LEU:HA	15	0.12
(1,84)	1:24:A:TYR:HE2	1:28:A:SER:HB3	21	0.12
(1,53)	1:10:A:TYR:HE1	1:27:A:CYS:HB2	10	0.12
(1,34)	1:8:A:TYR:HD1	1:8:A:TYR:HA	11	0.12
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	2	0.12
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	10	0.12
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	19	0.12
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	29	0.12
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	32	0.12
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	33	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	42	0.12
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	43	0.12
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	48	0.12
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	49	0.12
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	4	0.11
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	50	0.11
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	9	0.11
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	9	0.11
(2,937)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	9	0.11
(2,929)	1:11:A:GLU:HA	1:11:A:GLU:HG3	39	0.11
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	6	0.11
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	6	0.11
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	17	0.11
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	17	0.11
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	22	0.11
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	22	0.11
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	4	0.11
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	4	0.11
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	31	0.11
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	31	0.11
(2,910)	1:8:A:TYR:HE1	1:12:A:GLN:HG3	8	0.11
(2,910)	1:8:A:TYR:HE2	1:12:A:GLN:HG3	8	0.11
(2,910)	1:8:A:TYR:HE1	1:12:A:GLN:HG3	49	0.11
(2,910)	1:8:A:TYR:HE2	1:12:A:GLN:HG3	49	0.11
(2,909)	1:8:A:TYR:HB2	1:8:A:TYR:H	14	0.11
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	3	0.11
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	9	0.11
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	16	0.11
(2,904)	1:12:A:GLN:HG2	1:12:A:GLN:H	31	0.11
(2,900)	1:18:A:VAL:HG11	1:18:A:VAL:H	31	0.11
(2,900)	1:18:A:VAL:HG12	1:18:A:VAL:H	31	0.11
(2,900)	1:18:A:VAL:HG13	1:18:A:VAL:H	31	0.11
(2,900)	1:18:A:VAL:HG11	1:18:A:VAL:H	40	0.11
(2,900)	1:18:A:VAL:HG12	1:18:A:VAL:H	40	0.11
(2,900)	1:18:A:VAL:HG13	1:18:A:VAL:H	40	0.11
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	10	0.11
(2,898)	1:12:A:GLN:H	1:13:A:CYS:H	49	0.11
(2,881)	1:22:A:GLN:H	1:23:A:CYS:H	13	0.11
(2,881)	1:22:A:GLN:H	1:23:A:CYS:H	19	0.11
(2,881)	1:22:A:GLN:H	1:23:A:CYS:H	24	0.11
(2,881)	1:22:A:GLN:H	1:23:A:CYS:H	38	0.11
(2,881)	1:22:A:GLN:H	1:23:A:CYS:H	42	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	12	0.11
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	26	0.11
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	32	0.11
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	38	0.11
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	43	0.11
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	47	0.11
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	50	0.11
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	28	0.11
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	28	0.11
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	28	0.11
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	18	0.11
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	24	0.11
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	31	0.11
(2,866)	1:16:A:ASN:H	1:16:A:ASN:HA	37	0.11
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	30	0.11
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	30	0.11
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	34	0.11
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	34	0.11
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	44	0.11
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	44	0.11
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	46	0.11
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	46	0.11
(2,864)	1:22:A:GLN:HB2	1:22:A:GLN:H	49	0.11
(2,864)	1:22:A:GLN:HB3	1:22:A:GLN:H	49	0.11
(2,863)	1:31:A:GLU:H	1:32:A:ARG:H	39	0.11
(2,861)	1:5:A:GLN:HB2	1:6:A:ALA:H	48	0.11
(2,851)	1:23:A:CYS:HB3	1:24:A:TYR:H	31	0.11
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	8	0.11
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	50	0.11
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	9	0.11
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	25	0.11
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	26	0.11
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	2	0.11
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	10	0.11
(2,818)	1:2:A:SER:HB3	1:2:A:SER:H	11	0.11
(2,815)	1:22:A:GLN:HB2	1:23:A:CYS:H	3	0.11
(2,815)	1:22:A:GLN:HB3	1:23:A:CYS:H	3	0.11
(2,815)	1:22:A:GLN:HB2	1:23:A:CYS:H	41	0.11
(2,815)	1:22:A:GLN:HB3	1:23:A:CYS:H	41	0.11
(2,815)	1:22:A:GLN:HB2	1:23:A:CYS:H	43	0.11
(2,815)	1:22:A:GLN:HB3	1:23:A:CYS:H	43	0.11
(2,815)	1:22:A:GLN:HB2	1:23:A:CYS:H	44	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,815)	1:22:A:GLN:HB3	1:23:A:CYS:H	44	0.11
(2,809)	1:28:A:SER:HA	1:31:A:GLU:H	44	0.11
(2,799)	1:5:A:GLN:HA	1:8:A:TYR:HB2	46	0.11
(2,795)	1:24:A:TYR:HA	1:28:A:SER:H	33	0.11
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	3	0.11
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	19	0.11
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	50	0.11
(2,788)	1:26:A:MET:H	1:27:A:CYS:H	9	0.11
(2,785)	1:20:A:PHE:HA	1:23:A:CYS:HB2	47	0.11
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	16	0.11
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	16	0.11
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	33	0.11
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	33	0.11
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	28	0.11
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	32	0.11
(2,751)	1:11:A:GLU:HG3	1:11:A:GLU:H	33	0.11
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	6	0.11
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	21	0.11
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	30	0.11
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	39	0.11
(2,748)	1:30:A:LEU:HB2	1:30:A:LEU:H	4	0.11
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	12	0.11
(2,732)	1:13:A:CYS:HA	1:12:A:GLN:H	50	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	1	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	1	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	1	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	2	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	2	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	2	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	3	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	3	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	3	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	6	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	6	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	6	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	7	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	7	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	7	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	8	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	8	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	8	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	9	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	9	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	10	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	10	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	10	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	11	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	11	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	11	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	13	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	13	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	13	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	14	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	14	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	14	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	15	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	15	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	15	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	16	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	16	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	16	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	18	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	18	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	18	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	19	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	19	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	19	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	20	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	20	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	20	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	21	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	21	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	21	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	22	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	22	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	22	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	23	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	23	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	23	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	25	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	25	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	25	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	26	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	26	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	26	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	27	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	27	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	27	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	28	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	28	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	28	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	29	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	29	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	29	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	31	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	31	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	31	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	32	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	32	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	32	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	33	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	33	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	33	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	34	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	34	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	34	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	35	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	35	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	35	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	36	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	36	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	36	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	37	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	37	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	37	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	38	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	38	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	38	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	40	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	40	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	40	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	41	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	41	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	41	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	42	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	42	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	42	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	43	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	43	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	43	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	44	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	44	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	44	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	45	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	45	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	45	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	46	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	46	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	46	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	48	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	48	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	48	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB1	50	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB2	50	0.11
(2,730)	1:6:A:ALA:HA	1:6:A:ALA:HB3	50	0.11
(2,719)	1:33:A:SER:HB2	1:33:A:SER:H	35	0.11
(2,719)	1:33:A:SER:HB3	1:33:A:SER:H	35	0.11
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	18	0.11
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	20	0.11
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	27	0.11
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	47	0.11
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	50	0.11
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	15	0.11
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	48	0.11
(2,703)	1:31:A:GLU:HG3	1:31:A:GLU:H	15	0.11
(2,703)	1:31:A:GLU:HG3	1:31:A:GLU:H	28	0.11
(2,703)	1:31:A:GLU:HG3	1:31:A:GLU:H	37	0.11
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	15	0.11
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	15	0.11
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	15	0.11
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	45	0.11
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	46	0.11
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	4	0.11
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	8	0.11
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	14	0.11
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	27	0.11
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	27	0.11
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	35	0.11
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	39	0.11
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	35	0.11
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	14	0.11
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	32	0.11
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	44	0.11
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	8	0.11
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	8	0.11
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	5	0.11
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	24	0.11
(2,647)	1:30:A:LEU:HA	1:30:A:LEU:HG	20	0.11
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	6	0.11
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	10	0.11
(2,622)	1:10:A:TYR:HB2	1:11:A:GLU:H	24	0.11
(2,617)	1:5:A:GLN:HG2	1:5:A:GLN:HE22	10	0.11
(2,617)	1:5:A:GLN:HG3	1:5:A:GLN:HE22	10	0.11
(2,617)	1:5:A:GLN:HG2	1:5:A:GLN:HE22	25	0.11
(2,617)	1:5:A:GLN:HG3	1:5:A:GLN:HE22	25	0.11
(2,617)	1:5:A:GLN:HG2	1:5:A:GLN:HE22	43	0.11
(2,617)	1:5:A:GLN:HG3	1:5:A:GLN:HE22	43	0.11
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	16	0.11
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	17	0.11
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	18	0.11
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	19	0.11
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	23	0.11
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	41	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	1	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	1	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	1	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	2	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	2	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	2	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	4	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	4	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	4	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	5	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	5	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	5	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	6	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	6	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	8	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	8	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	8	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	9	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	9	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	9	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	10	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	10	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	10	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	11	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	11	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	11	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	12	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	12	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	12	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	14	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	14	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	14	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	15	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	15	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	15	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	16	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	16	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	16	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	17	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	17	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	17	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	19	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	19	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	19	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	20	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	20	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	20	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	21	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	21	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	21	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	22	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	22	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	22	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	24	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	24	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	24	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	25	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	25	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	25	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	26	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	26	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	26	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	27	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	27	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	27	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	28	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	28	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	28	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	29	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	29	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	29	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	30	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	30	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	30	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	32	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	32	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	32	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	33	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	33	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	33	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	34	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	34	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	34	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	35	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	35	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	35	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	36	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	36	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	36	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	37	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	37	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	37	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	38	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	38	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	38	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	40	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	40	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	40	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	41	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	41	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	41	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	42	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	42	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	42	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	43	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	43	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	43	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	44	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	44	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	44	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	45	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	45	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	45	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	46	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	46	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	46	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	48	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	48	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	48	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	49	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	49	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	49	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	50	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	50	0.11
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	50	0.11
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	39	0.11
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	42	0.11
(2,609)	1:5:A:GLN:H	1:4:A:GLN:H	13	0.11
(2,609)	1:5:A:GLN:H	1:4:A:GLN:H	25	0.11
(2,609)	1:5:A:GLN:H	1:4:A:GLN:H	26	0.11
(2,609)	1:5:A:GLN:H	1:4:A:GLN:H	45	0.11
(2,607)	1:30:A:LEU:H	1:31:A:GLU:H	4	0.11
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	31	0.11
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	28	0.11
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	28	0.11
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	45	0.11
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	45	0.11
(2,595)	1:2:A:SER:HA	1:2:A:SER:HB3	47	0.11
(2,588)	1:13:A:CYS:HA	1:18:A:VAL:HG21	33	0.11
(2,588)	1:13:A:CYS:HA	1:18:A:VAL:HG22	33	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,588)	1:13:A:CYS:HA	1:18:A:VAL:HG23	33	0.11
(2,587)	1:10:A:TYR:HE1	1:24:A:TYR:HA	47	0.11
(2,587)	1:10:A:TYR:HE2	1:24:A:TYR:HA	47	0.11
(2,587)	1:10:A:TYR:HE1	1:24:A:TYR:HA	49	0.11
(2,587)	1:10:A:TYR:HE2	1:24:A:TYR:HA	49	0.11
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	3	0.11
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	3	0.11
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	3	0.11
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	7	0.11
(2,553)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	18	0.11
(2,550)	1:3:A:PRO:HD3	1:2:A:SER:HA	28	0.11
(2,541)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	38	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	1	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	1	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	1	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	2	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	2	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	2	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	3	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	3	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	3	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	4	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	4	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	4	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	5	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	5	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	5	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	6	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	6	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	6	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	8	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	8	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	8	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	11	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	11	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	11	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	12	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	12	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	12	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	14	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	14	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	15	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	15	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	15	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	16	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	16	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	16	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	17	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	17	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	17	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	19	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	19	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	19	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	20	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	20	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	20	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	21	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	21	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	21	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	22	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	22	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	22	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	23	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	23	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	23	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	24	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	24	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	24	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	25	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	25	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	25	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	26	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	26	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	26	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	27	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	27	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	27	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	28	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	28	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	28	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	29	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	29	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	29	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	30	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	30	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	30	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	32	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	32	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	32	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	33	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	33	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	33	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	34	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	34	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	34	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	35	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	35	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	35	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	36	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	36	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	36	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	37	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	37	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	37	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	38	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	38	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	38	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	39	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	39	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	39	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	40	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	40	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	40	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	43	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	43	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	43	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	44	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	44	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	44	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	45	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	45	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	45	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	47	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	47	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	47	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	48	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	48	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	48	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	49	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	49	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	49	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	50	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	50	0.11
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	50	0.11
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	22	0.11
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	22	0.11
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	30	0.11
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	30	0.11
(2,523)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	30	0.11
(2,507)	1:25:A:GLN:HA	1:25:A:GLN:HG2	15	0.11
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	2	0.11
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	9	0.11
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	22	0.11
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	25	0.11
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	30	0.11
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	41	0.11
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	46	0.11
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	5	0.11
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	5	0.11
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	1	0.11
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	10	0.11
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	13	0.11
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	27	0.11
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	33	0.11
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	41	0.11
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	7	0.11
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	28	0.11
(2,476)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	50	0.11
(2,465)	1:33:A:SER:HB2	1:33:A:SER:H	35	0.11
(2,465)	1:33:A:SER:HB3	1:33:A:SER:H	35	0.11
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	22	0.11
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	22	0.11
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	3	0.11
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	19	0.11
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	50	0.11
(2,455)	1:31:A:GLU:H	1:32:A:ARG:H	39	0.11
(2,445)	1:31:A:GLU:HG3	1:31:A:GLU:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,445)	1:31:A:GLU:HG3	1:31:A:GLU:H	28	0.11
(2,445)	1:31:A:GLU:HG3	1:31:A:GLU:H	37	0.11
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	5	0.11
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	24	0.11
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	15	0.11
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	15	0.11
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	15	0.11
(2,436)	1:30:A:LEU:H	1:31:A:GLU:H	4	0.11
(2,434)	1:30:A:LEU:HB2	1:30:A:LEU:H	4	0.11
(2,431)	1:30:A:LEU:HA	1:30:A:LEU:HG	20	0.11
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	30	0.11
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	30	0.11
(2,421)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	30	0.11
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	6	0.11
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	10	0.11
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	8	0.11
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	50	0.11
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	4	0.11
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	8	0.11
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	14	0.11
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	27	0.11
(2,393)	1:28:A:SER:HA	1:31:A:GLU:H	44	0.11
(2,376)	1:26:A:MET:H	1:27:A:CYS:H	9	0.11
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	6	0.11
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	21	0.11
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	30	0.11
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	39	0.11
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	16	0.11
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	16	0.11
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	33	0.11
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	33	0.11
(2,354)	1:25:A:GLN:HA	1:25:A:GLN:HG2	15	0.11
(2,353)	1:24:A:TYR:HA	1:28:A:SER:H	33	0.11
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	18	0.11
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	20	0.11
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	27	0.11
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	47	0.11
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	50	0.11
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	35	0.11
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	9	0.11
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	25	0.11
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	26	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,324)	1:23:A:CYS:HB3	1:24:A:TYR:H	31	0.11
(2,314)	1:22:A:GLN:H	1:23:A:CYS:H	13	0.11
(2,314)	1:22:A:GLN:H	1:23:A:CYS:H	19	0.11
(2,314)	1:22:A:GLN:H	1:23:A:CYS:H	24	0.11
(2,314)	1:22:A:GLN:H	1:23:A:CYS:H	38	0.11
(2,314)	1:22:A:GLN:H	1:23:A:CYS:H	42	0.11
(2,312)	1:22:A:GLN:HB2	1:23:A:CYS:H	3	0.11
(2,312)	1:22:A:GLN:HB3	1:23:A:CYS:H	3	0.11
(2,312)	1:22:A:GLN:HB2	1:23:A:CYS:H	41	0.11
(2,312)	1:22:A:GLN:HB3	1:23:A:CYS:H	41	0.11
(2,312)	1:22:A:GLN:HB2	1:23:A:CYS:H	43	0.11
(2,312)	1:22:A:GLN:HB3	1:23:A:CYS:H	43	0.11
(2,312)	1:22:A:GLN:HB2	1:23:A:CYS:H	44	0.11
(2,312)	1:22:A:GLN:HB3	1:23:A:CYS:H	44	0.11
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	6	0.11
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	6	0.11
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	17	0.11
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	17	0.11
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	22	0.11
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	22	0.11
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	30	0.11
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	30	0.11
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	34	0.11
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	34	0.11
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	44	0.11
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	44	0.11
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	46	0.11
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	46	0.11
(2,308)	1:22:A:GLN:HB2	1:22:A:GLN:H	49	0.11
(2,308)	1:22:A:GLN:HB3	1:22:A:GLN:H	49	0.11
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	39	0.11
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	42	0.11
(2,287)	1:20:A:PHE:HA	1:23:A:CYS:HB2	47	0.11
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	2	0.11
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	9	0.11
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	22	0.11
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	25	0.11
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	30	0.11
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	41	0.11
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	46	0.11
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	12	0.11
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	26	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	32	0.11
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	38	0.11
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	43	0.11
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	47	0.11
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	50	0.11
(2,255)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	18	0.11
(2,246)	1:18:A:VAL:HG11	1:18:A:VAL:H	31	0.11
(2,246)	1:18:A:VAL:HG12	1:18:A:VAL:H	31	0.11
(2,246)	1:18:A:VAL:HG13	1:18:A:VAL:H	31	0.11
(2,246)	1:18:A:VAL:HG11	1:18:A:VAL:H	40	0.11
(2,246)	1:18:A:VAL:HG12	1:18:A:VAL:H	40	0.11
(2,246)	1:18:A:VAL:HG13	1:18:A:VAL:H	40	0.11
(2,230)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	38	0.11
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	18	0.11
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	24	0.11
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	31	0.11
(2,223)	1:16:A:ASN:H	1:16:A:ASN:HA	37	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	1	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	1	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	1	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	2	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	2	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	2	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	4	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	4	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	4	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	5	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	5	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	5	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	6	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	6	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	6	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	8	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	8	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	8	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	9	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	9	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	9	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	10	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	10	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	10	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	11	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	11	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	12	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	12	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	12	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	14	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	14	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	14	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	15	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	15	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	15	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	16	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	16	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	16	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	17	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	17	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	17	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	19	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	19	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	19	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	20	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	20	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	20	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	21	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	21	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	21	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	22	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	22	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	22	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	24	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	24	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	24	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	25	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	25	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	25	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	26	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	26	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	26	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	27	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	27	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	27	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	28	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	28	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	28	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	29	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	29	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	29	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	30	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	30	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	30	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	32	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	32	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	32	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	33	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	33	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	33	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	34	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	34	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	34	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	35	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	35	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	35	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	36	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	36	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	36	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	37	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	37	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	37	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	38	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	38	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	38	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	40	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	40	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	40	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	41	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	41	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	41	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	42	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	42	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	42	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	43	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	43	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	43	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	44	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	44	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	44	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	45	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	45	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	45	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	46	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	46	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	46	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	48	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	48	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	48	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	49	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	49	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	49	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	50	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	50	0.11
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	50	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	1	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	1	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	1	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	2	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	2	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	2	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	3	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	3	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	3	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	4	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	4	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	4	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	5	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	5	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	5	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	6	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	6	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	6	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	8	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	8	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	8	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	11	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	11	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	11	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	12	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	12	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	14	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	14	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	14	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	15	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	15	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	15	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	16	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	16	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	16	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	17	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	17	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	17	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	19	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	19	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	19	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	20	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	20	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	20	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	21	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	21	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	21	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	22	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	22	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	22	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	23	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	23	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	23	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	24	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	24	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	24	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	25	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	25	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	25	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	26	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	26	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	26	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	27	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	27	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	27	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	28	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	28	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	28	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	29	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	29	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	29	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	30	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	30	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	30	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	32	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	32	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	32	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	33	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	33	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	33	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	34	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	34	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	34	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	35	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	35	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	35	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	36	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	36	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	36	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	37	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	37	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	37	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	38	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	38	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	38	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	39	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	39	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	39	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	40	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	40	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	40	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	43	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	43	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	43	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	44	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	44	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	44	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	45	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	45	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	45	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	47	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	47	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	47	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	48	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	48	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	48	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	49	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	49	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	49	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	50	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	50	0.11
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	50	0.11
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	45	0.11
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	46	0.11
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	12	0.11
(2,183)	1:13:A:CYS:HA	1:12:A:GLN:H	50	0.11
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	10	0.11
(2,177)	1:12:A:GLN:H	1:13:A:CYS:H	49	0.11
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	10	0.11
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	27	0.11
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	35	0.11
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	39	0.11
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	14	0.11
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	32	0.11
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	44	0.11
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	3	0.11
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	9	0.11
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	16	0.11
(2,168)	1:12:A:GLN:HG2	1:12:A:GLN:H	31	0.11
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	4	0.11
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	50	0.11
(2,157)	1:11:A:GLU:HA	1:11:A:GLU:HG3	39	0.11
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	28	0.11
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	32	0.11
(2,151)	1:11:A:GLU:HG3	1:11:A:GLU:H	33	0.11
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	31	0.11
(2,144)	1:10:A:TYR:HE1	1:24:A:TYR:HA	47	0.11
(2,144)	1:10:A:TYR:HE2	1:24:A:TYR:HA	47	0.11
(2,144)	1:10:A:TYR:HE1	1:24:A:TYR:HA	49	0.11
(2,144)	1:10:A:TYR:HE2	1:24:A:TYR:HA	49	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	5	0.11
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	5	0.11
(2,141)	1:10:A:TYR:HB2	1:11:A:GLU:H	24	0.11
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	16	0.11
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	17	0.11
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	18	0.11
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	19	0.11
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	23	0.11
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	41	0.11
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	9	0.11
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	9	0.11
(2,121)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	9	0.11
(2,105)	1:8:A:TYR:HE1	1:12:A:GLN:HG3	8	0.11
(2,105)	1:8:A:TYR:HE2	1:12:A:GLN:HG3	8	0.11
(2,105)	1:8:A:TYR:HE1	1:12:A:GLN:HG3	49	0.11
(2,105)	1:8:A:TYR:HE2	1:12:A:GLN:HG3	49	0.11
(2,95)	1:8:A:TYR:HB2	1:8:A:TYR:H	14	0.11
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	4	0.11
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	4	0.11
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	31	0.11
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	31	0.11
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	1	0.11
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	10	0.11
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	13	0.11
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	27	0.11
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	33	0.11
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	41	0.11
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	7	0.11
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	28	0.11
(2,76)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	50	0.11
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	3	0.11
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	3	0.11
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	3	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	1	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	1	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	1	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	2	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	2	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	2	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	3	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	3	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	6	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	6	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	6	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	7	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	7	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	7	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	8	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	8	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	8	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	9	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	9	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	9	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	10	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	10	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	10	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	11	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	11	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	11	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	13	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	13	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	13	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	14	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	14	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	14	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	15	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	15	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	15	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	16	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	16	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	16	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	18	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	18	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	18	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	19	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	19	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	19	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	20	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	20	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	20	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	21	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	21	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	21	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	22	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	22	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	22	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	23	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	23	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	23	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	25	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	25	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	25	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	26	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	26	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	26	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	27	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	27	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	27	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	28	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	28	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	28	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	29	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	29	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	29	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	31	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	31	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	31	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	32	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	32	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	32	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	33	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	33	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	33	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	34	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	34	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	34	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	35	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	35	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	35	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	36	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	36	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	36	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	37	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	37	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	37	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	38	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	38	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	38	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	40	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	40	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	40	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	41	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	41	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	41	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	42	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	42	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	42	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	43	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	43	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	43	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	44	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	44	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	44	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	45	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	45	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	45	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	46	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	46	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	46	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	48	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	48	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	48	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB1	50	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB2	50	0.11
(2,54)	1:6:A:ALA:HA	1:6:A:ALA:HB3	50	0.11
(2,50)	1:5:A:GLN:HA	1:8:A:TYR:HB2	46	0.11
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	7	0.11
(2,45)	1:5:A:GLN:HB2	1:6:A:ALA:H	48	0.11
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	15	0.11
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	48	0.11
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	8	0.11
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	8	0.11
(2,37)	1:5:A:GLN:HG2	1:5:A:GLN:HE22	10	0.11
(2,37)	1:5:A:GLN:HG3	1:5:A:GLN:HE22	10	0.11
(2,37)	1:5:A:GLN:HG2	1:5:A:GLN:HE22	25	0.11
(2,37)	1:5:A:GLN:HG3	1:5:A:GLN:HE22	25	0.11
(2,37)	1:5:A:GLN:HG2	1:5:A:GLN:HE22	43	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:5:A:GLN:HG3	1:5:A:GLN:HE22	43	0.11
(2,36)	1:5:A:GLN:H	1:4:A:GLN:H	13	0.11
(2,36)	1:5:A:GLN:H	1:4:A:GLN:H	25	0.11
(2,36)	1:5:A:GLN:H	1:4:A:GLN:H	26	0.11
(2,36)	1:5:A:GLN:H	1:4:A:GLN:H	45	0.11
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	28	0.11
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	28	0.11
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	28	0.11
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	28	0.11
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	28	0.11
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	45	0.11
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	45	0.11
(2,7)	1:3:A:PRO:HD3	1:2:A:SER:HA	28	0.11
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	2	0.11
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	10	0.11
(2,3)	1:2:A:SER:HB3	1:2:A:SER:H	11	0.11
(2,2)	1:2:A:SER:HA	1:2:A:SER:HB3	47	0.11
(1,1038)	1:12:A:GLN:HG3	1:12:A:GLN:HA	49	0.11
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	26	0.11
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	26	0.11
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	26	0.11
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	32	0.11
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	32	0.11
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	32	0.11
(1,1026)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	33	0.11
(1,1026)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	33	0.11
(1,1026)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	33	0.11
(1,997)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	16	0.11
(1,997)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	25	0.11
(1,955)	1:18:A:VAL:HG22	1:22:A:GLN:HB3	12	0.11
(1,955)	1:18:A:VAL:HG22	1:22:A:GLN:HB3	15	0.11
(1,955)	1:18:A:VAL:HG21	1:22:A:GLN:HB3	42	0.11
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	4	0.11
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	12	0.11
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	14	0.11
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	18	0.11
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	25	0.11
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	4	0.11
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	50	0.11
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	9	0.11
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD12	9	0.11
(1,911)	1:9:A:CYS:HB2	1:30:A:LEU:HD13	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:11:A:GLU:HA	1:11:A:GLU:HG3	39	0.11
(1,884)	1:8:A:TYR:HE1	1:12:A:GLN:HG3	8	0.11
(1,884)	1:8:A:TYR:HE2	1:12:A:GLN:HG3	8	0.11
(1,884)	1:8:A:TYR:HE1	1:12:A:GLN:HG3	49	0.11
(1,884)	1:8:A:TYR:HE2	1:12:A:GLN:HG3	49	0.11
(1,883)	1:8:A:TYR:HB2	1:8:A:TYR:H	14	0.11
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	3	0.11
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	9	0.11
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	16	0.11
(1,878)	1:12:A:GLN:HG2	1:12:A:GLN:H	31	0.11
(1,874)	1:18:A:VAL:HG11	1:18:A:VAL:H	31	0.11
(1,874)	1:18:A:VAL:HG12	1:18:A:VAL:H	31	0.11
(1,874)	1:18:A:VAL:HG13	1:18:A:VAL:H	31	0.11
(1,874)	1:18:A:VAL:HG11	1:18:A:VAL:H	40	0.11
(1,874)	1:18:A:VAL:HG12	1:18:A:VAL:H	40	0.11
(1,874)	1:18:A:VAL:HG13	1:18:A:VAL:H	40	0.11
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	10	0.11
(1,872)	1:12:A:GLN:H	1:13:A:CYS:H	49	0.11
(1,855)	1:22:A:GLN:H	1:23:A:CYS:H	13	0.11
(1,855)	1:22:A:GLN:H	1:23:A:CYS:H	19	0.11
(1,855)	1:22:A:GLN:H	1:23:A:CYS:H	24	0.11
(1,855)	1:22:A:GLN:H	1:23:A:CYS:H	38	0.11
(1,855)	1:22:A:GLN:H	1:23:A:CYS:H	42	0.11
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	12	0.11
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	26	0.11
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	32	0.11
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	38	0.11
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	43	0.11
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	47	0.11
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	50	0.11
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	28	0.11
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	28	0.11
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	28	0.11
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	18	0.11
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	24	0.11
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	31	0.11
(1,840)	1:16:A:ASN:H	1:16:A:ASN:HA	37	0.11
(1,837)	1:31:A:GLU:H	1:32:A:ARG:H	39	0.11
(1,835)	1:5:A:GLN:HB2	1:6:A:ALA:H	48	0.11
(1,825)	1:23:A:CYS:HB3	1:24:A:TYR:H	31	0.11
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	8	0.11
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	50	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	9	0.11
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	25	0.11
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	26	0.11
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	2	0.11
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	10	0.11
(1,792)	1:2:A:SER:HB3	1:2:A:SER:H	11	0.11
(1,784)	1:28:A:SER:HA	1:31:A:GLU:H	44	0.11
(1,774)	1:5:A:GLN:HA	1:8:A:TYR:HB2	46	0.11
(1,770)	1:24:A:TYR:HA	1:28:A:SER:H	33	0.11
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	3	0.11
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	19	0.11
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	50	0.11
(1,763)	1:26:A:MET:H	1:27:A:CYS:H	9	0.11
(1,760)	1:20:A:PHE:HA	1:23:A:CYS:HB2	47	0.11
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	28	0.11
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	32	0.11
(1,726)	1:11:A:GLU:HG3	1:11:A:GLU:H	33	0.11
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	6	0.11
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	21	0.11
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	30	0.11
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	39	0.11
(1,723)	1:30:A:LEU:HB2	1:30:A:LEU:H	4	0.11
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	12	0.11
(1,708)	1:13:A:CYS:HA	1:12:A:GLN:H	50	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	1	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	1	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	1	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	2	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	2	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	2	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	3	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	3	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	3	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	6	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	6	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	6	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	7	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	7	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	7	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	8	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	8	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	9	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	9	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	9	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	10	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	10	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	10	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	11	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	11	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	11	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	13	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	13	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	13	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	14	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	14	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	14	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	15	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	15	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	15	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	16	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	16	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	16	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	18	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	18	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	18	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	19	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	19	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	19	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	20	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	20	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	20	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	21	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	21	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	21	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	22	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	22	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	22	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	23	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	23	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	23	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	25	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	25	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	25	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	26	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	26	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	26	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	27	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	27	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	27	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	28	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	28	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	28	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	29	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	29	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	29	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	31	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	31	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	31	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	32	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	32	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	32	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	33	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	33	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	33	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	34	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	34	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	34	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	35	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	35	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	35	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	36	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	36	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	36	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	37	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	37	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	37	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	38	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	38	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	38	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	40	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	40	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	40	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	41	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	41	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	41	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	42	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	42	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	42	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	43	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	43	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	43	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	44	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	44	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	44	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	45	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	45	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	45	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	46	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	46	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	46	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	48	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	48	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	48	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB1	50	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB2	50	0.11
(1,706)	1:6:A:ALA:HA	1:6:A:ALA:HB3	50	0.11
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	18	0.11
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	20	0.11
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	27	0.11
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	47	0.11
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	50	0.11
(1,681)	1:4:A:GLN:HG3	1:4:A:GLN:H	46	0.11
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	15	0.11
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	48	0.11
(1,679)	1:31:A:GLU:HG3	1:31:A:GLU:H	15	0.11
(1,679)	1:31:A:GLU:HG3	1:31:A:GLU:H	28	0.11
(1,679)	1:31:A:GLU:HG3	1:31:A:GLU:H	37	0.11
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	15	0.11
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	15	0.11
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	15	0.11
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	45	0.11
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	46	0.11
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	4	0.11
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	8	0.11
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	14	0.11
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	27	0.11
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	27	0.11
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	35	0.11
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	39	0.11
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	35	0.11
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	14	0.11
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	32	0.11
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	44	0.11
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	5	0.11
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	24	0.11
(1,628)	1:30:A:LEU:HA	1:30:A:LEU:HG	20	0.11
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	6	0.11
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	10	0.11
(1,605)	1:10:A:TYR:HB2	1:11:A:GLU:H	24	0.11
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	16	0.11
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	17	0.11
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	18	0.11
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	19	0.11
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	23	0.11
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	41	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	1	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	1	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	1	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	2	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	2	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	2	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	4	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	4	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	4	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	5	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	5	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	5	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	6	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	6	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	6	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	8	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	8	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	8	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	9	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	9	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	9	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	10	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	10	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	11	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	11	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	11	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	12	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	12	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	12	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	14	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	14	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	14	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	15	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	15	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	15	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	16	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	16	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	16	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	17	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	17	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	17	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	19	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	19	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	19	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	20	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	20	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	20	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	21	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	21	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	21	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	22	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	22	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	22	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	24	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	24	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	24	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	25	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	25	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	25	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	26	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	26	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	26	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	27	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	27	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	27	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	28	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	28	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	28	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	29	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	29	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	29	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	30	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	30	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	30	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	32	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	32	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	32	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	33	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	33	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	33	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	34	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	34	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	34	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	35	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	35	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	35	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	36	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	36	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	36	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	37	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	37	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	37	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	38	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	38	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	38	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	40	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	40	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	40	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	41	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	41	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	41	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	42	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	42	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	42	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	43	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	43	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	43	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	44	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	44	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	44	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	45	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	45	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	45	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	46	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	46	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	46	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	48	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	48	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	48	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	49	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	49	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	49	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	50	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	50	0.11
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	50	0.11
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	39	0.11
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	42	0.11
(1,592)	1:5:A:GLN:H	1:4:A:GLN:H	13	0.11
(1,592)	1:5:A:GLN:H	1:4:A:GLN:H	25	0.11
(1,592)	1:5:A:GLN:H	1:4:A:GLN:H	26	0.11
(1,592)	1:5:A:GLN:H	1:4:A:GLN:H	45	0.11
(1,590)	1:30:A:LEU:H	1:31:A:GLU:H	4	0.11
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	31	0.11
(1,578)	1:2:A:SER:HA	1:2:A:SER:HB3	47	0.11
(1,571)	1:10:A:TYR:HE1	1:24:A:TYR:HA	47	0.11
(1,571)	1:10:A:TYR:HE2	1:24:A:TYR:HA	47	0.11
(1,571)	1:10:A:TYR:HE1	1:24:A:TYR:HA	49	0.11
(1,571)	1:10:A:TYR:HE2	1:24:A:TYR:HA	49	0.11
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	3	0.11
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	3	0.11
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	3	0.11
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	7	0.11
(1,543)	1:19:A:PRO:HB3	1:19:A:PRO:HD3	18	0.11
(1,540)	1:3:A:PRO:HD3	1:2:A:SER:HA	28	0.11
(1,531)	1:17:A:LYS:HB2	1:17:A:LYS:HD2	38	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	1	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	1	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	2	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	2	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	2	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	3	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	3	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	3	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	4	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	4	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	4	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	5	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	5	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	5	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	6	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	6	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	6	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	8	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	8	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	8	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	11	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	11	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	11	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	12	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	12	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	12	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	14	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	14	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	14	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	15	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	15	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	15	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	16	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	16	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	16	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	17	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	17	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	17	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	19	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	19	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	19	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	20	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	20	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	21	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	21	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	21	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	22	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	22	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	22	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	23	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	23	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	23	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	24	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	24	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	24	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	25	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	25	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	25	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	26	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	26	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	26	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	27	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	27	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	27	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	28	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	28	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	28	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	29	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	29	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	29	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	30	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	30	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	30	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	32	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	32	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	32	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	33	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	33	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	33	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	34	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	34	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	34	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	35	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	35	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	35	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	36	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	36	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	36	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	37	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	37	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	37	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	38	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	38	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	38	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	39	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	39	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	39	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	40	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	40	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	40	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	43	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	43	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	43	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	44	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	44	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	44	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	45	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	45	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	45	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	47	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	47	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	47	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	48	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	48	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	48	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	49	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	49	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	49	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	50	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	50	0.11
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	50	0.11
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	30	0.11
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	30	0.11
(1,513)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	30	0.11
(1,497)	1:25:A:GLN:HA	1:25:A:GLN:HG2	15	0.11
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	2	0.11
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	22	0.11
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	25	0.11
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	30	0.11
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	41	0.11
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	46	0.11
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	5	0.11
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	5	0.11
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	1	0.11
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	10	0.11
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	13	0.11
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	27	0.11
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	33	0.11
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	41	0.11
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	7	0.11
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	28	0.11
(1,466)	1:7:A:LYS:HG2	1:7:A:LYS:HE2	50	0.11
(1,439)	1:6:A:ALA:HB1	1:31:A:GLU:HB3	9	0.11
(1,439)	1:6:A:ALA:HB3	1:31:A:GLU:HB3	30	0.11
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	1	0.11
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	16	0.11
(1,420)	1:28:A:SER:HA	1:29:A:PRO:HD3	5	0.11
(1,420)	1:28:A:SER:HA	1:29:A:PRO:HD3	33	0.11
(1,420)	1:28:A:SER:HA	1:29:A:PRO:HD3	37	0.11
(1,400)	1:15:A:VAL:HG11	1:15:A:VAL:HG21	19	0.11
(1,378)	1:25:A:GLN:HG2	1:25:A:GLN:H	31	0.11
(1,378)	1:25:A:GLN:HG2	1:25:A:GLN:H	48	0.11
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD1	30	0.11
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	6	0.11
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	10	0.11
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	16	0.11
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	24	0.11
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	28	0.11
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	30	0.11
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	37	0.11
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	39	0.11
(1,348)	1:13:A:CYS:H	1:12:A:GLN:HG2	45	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	1	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	2	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	3	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	6	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	7	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	9	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	10	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	11	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	12	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	13	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	14	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	15	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	16	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	17	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	19	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	20	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	21	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	22	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	23	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	24	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	25	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	26	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	27	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	28	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	29	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	30	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	31	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	32	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	33	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	34	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	35	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	36	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	38	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	40	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	41	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	43	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	44	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	45	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	46	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	47	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	48	0.11
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	50	0.11
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE3	7	0.11
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE3	33	0.11
(1,294)	1:13:A:CYS:H	1:10:A:TYR:HA	1	0.11
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	26	0.11
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	34	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	5	0.11
(1,268)	1:5:A:GLN:H	1:5:A:GLN:HG3	23	0.11
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	32	0.11
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	2	0.11
(1,256)	1:6:A:ALA:H	1:5:A:GLN:HB3	47	0.11
(1,218)	1:23:A:CYS:H	1:23:A:CYS:HB3	26	0.11
(1,194)	1:26:A:MET:HE3	1:18:A:VAL:HG11	6	0.11
(1,194)	1:26:A:MET:HE2	1:18:A:VAL:HG13	25	0.11
(1,194)	1:26:A:MET:HE3	1:18:A:VAL:HG13	29	0.11
(1,187)	1:19:A:PRO:HB2	1:18:A:VAL:HG23	5	0.11
(1,178)	1:13:A:CYS:HA	1:18:A:VAL:HG13	38	0.11
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG13	15	0.11
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG11	19	0.11
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG13	28	0.11
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG21	4	0.11
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG21	25	0.11
(1,170)	1:31:A:GLU:HA	1:6:A:ALA:HB2	32	0.11
(1,167)	1:6:A:ALA:HB2	1:31:A:GLU:HG3	15	0.11
(1,164)	1:9:A:CYS:HB2	1:30:A:LEU:HD11	47	0.11
(1,161)	1:9:A:CYS:HB3	1:6:A:ALA:HB3	8	0.11
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	30	0.11
(1,150)	1:8:A:TYR:HA	1:11:A:GLU:HB2	47	0.11
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG11	26	0.11
(1,138)	1:18:A:VAL:HA	1:18:A:VAL:HG13	34	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	1	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	2	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	3	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	6	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	7	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	12	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	14	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	22	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	28	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	29	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	30	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	32	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	38	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	41	0.11
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	48	0.11
(1,111)	1:30:A:LEU:HD23	1:30:A:LEU:HA	1	0.11
(1,111)	1:30:A:LEU:HD22	1:30:A:LEU:HA	3	0.11
(1,86)	1:24:A:TYR:HE2	1:24:A:TYR:HB2	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:24:A:TYR:HE1	1:24:A:TYR:HB2	29	0.11
(1,76)	1:24:A:TYR:HD1	1:24:A:TYR:HA	5	0.11
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	9	0.11
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	12	0.11
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	13	0.11
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	15	0.11
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	16	0.11
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	18	0.11
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	30	0.11
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	39	0.11
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	40	0.11
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	41	0.11
(2,938)	1:11:A:GLU:H	1:12:A:GLN:H	27	0.1
(2,922)	1:10:A:TYR:HD1	1:10:A:TYR:H	34	0.1
(2,922)	1:10:A:TYR:HD2	1:10:A:TYR:H	34	0.1
(2,917)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	12	0.1
(2,917)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	12	0.1
(2,914)	1:7:A:LYS:HB2	1:8:A:TYR:H	25	0.1
(2,914)	1:7:A:LYS:HB3	1:8:A:TYR:H	25	0.1
(2,910)	1:8:A:TYR:HE1	1:12:A:GLN:HG3	14	0.1
(2,910)	1:8:A:TYR:HE2	1:12:A:GLN:HG3	14	0.1
(2,909)	1:8:A:TYR:HB2	1:8:A:TYR:H	34	0.1
(2,909)	1:8:A:TYR:HB2	1:8:A:TYR:H	35	0.1
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	15	0.1
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	31	0.1
(2,892)	1:4:A:GLN:HB2	1:5:A:GLN:H	42	0.1
(2,881)	1:22:A:GLN:H	1:23:A:CYS:H	29	0.1
(2,881)	1:22:A:GLN:H	1:23:A:CYS:H	34	0.1
(2,876)	1:19:A:PRO:HB3	1:20:A:PHE:H	39	0.1
(2,875)	1:4:A:GLN:HG2	1:4:A:GLN:HA	43	0.1
(2,875)	1:4:A:GLN:HG3	1:4:A:GLN:HA	43	0.1
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB1	50	0.1
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB2	50	0.1
(2,873)	1:3:A:PRO:HA	1:6:A:ALA:HB3	50	0.1
(2,867)	1:22:A:GLN:HA	1:22:A:GLN:HG3	13	0.1
(2,863)	1:31:A:GLU:H	1:32:A:ARG:H	40	0.1
(2,843)	1:29:A:PRO:HD3	1:28:A:SER:H	12	0.1
(2,842)	1:24:A:TYR:HB2	1:24:A:TYR:H	21	0.1
(2,837)	1:4:A:GLN:HB2	1:4:A:GLN:H	50	0.1
(2,837)	1:4:A:GLN:HB3	1:4:A:GLN:H	50	0.1
(2,815)	1:22:A:GLN:HB2	1:23:A:CYS:H	9	0.1
(2,815)	1:22:A:GLN:HB3	1:23:A:CYS:H	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,813)	1:17:A:LYS:HB2	1:17:A:LYS:H	42	0.1
(2,811)	1:27:A:CYS:H	1:28:A:SER:H	18	0.1
(2,794)	1:32:A:ARG:HB2	1:32:A:ARG:H	38	0.1
(2,777)	1:5:A:GLN:HA	1:8:A:TYR:H	29	0.1
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	4	0.1
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	4	0.1
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	24	0.1
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	24	0.1
(2,760)	1:25:A:GLN:HB2	1:25:A:GLN:H	46	0.1
(2,760)	1:25:A:GLN:HB3	1:25:A:GLN:H	46	0.1
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	5	0.1
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	7	0.1
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	19	0.1
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	22	0.1
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	26	0.1
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	27	0.1
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	33	0.1
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	34	0.1
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	41	0.1
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	45	0.1
(2,750)	1:26:A:MET:HB2	1:26:A:MET:HA	47	0.1
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	14	0.1
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	17	0.1
(2,718)	1:24:A:TYR:H	1:25:A:GLN:H	23	0.1
(2,704)	1:5:A:GLN:HB2	1:5:A:GLN:H	42	0.1
(2,703)	1:31:A:GLU:HG3	1:31:A:GLU:H	47	0.1
(2,697)	1:12:A:GLN:HB2	1:12:A:GLN:H	18	0.1
(2,690)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	48	0.1
(2,690)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	48	0.1
(2,690)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	48	0.1
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	14	0.1
(2,689)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	41	0.1
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	12	0.1
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	16	0.1
(2,688)	1:29:A:PRO:HD2	1:28:A:SER:HA	28	0.1
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	1	0.1
(2,678)	1:12:A:GLN:HG3	1:13:A:CYS:H	23	0.1
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	34	0.1
(2,667)	1:24:A:TYR:HB3	1:25:A:GLN:H	37	0.1
(2,665)	1:12:A:GLN:HG2	1:13:A:CYS:H	36	0.1
(2,655)	1:14:A:ASN:HB2	1:14:A:ASN:H	48	0.1
(2,651)	1:5:A:GLN:HG2	1:5:A:GLN:H	26	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,651)	1:5:A:GLN:HG3	1:5:A:GLN:H	26	0.1
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	19	0.1
(2,650)	1:31:A:GLU:HB3	1:31:A:GLU:H	23	0.1
(2,630)	1:29:A:PRO:HA	1:29:A:PRO:HG3	4	0.1
(2,622)	1:10:A:TYR:HB2	1:11:A:GLU:H	23	0.1
(2,622)	1:10:A:TYR:HB2	1:11:A:GLU:H	31	0.1
(2,616)	1:10:A:TYR:H	1:11:A:GLU:H	3	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	3	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	3	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	3	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	7	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	7	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	7	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	13	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	13	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	13	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	18	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	18	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	18	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	23	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	23	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	23	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	31	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	31	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	31	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	39	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	39	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	39	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG21	47	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG22	47	0.1
(2,614)	1:15:A:VAL:HB	1:15:A:VAL:HG23	47	0.1
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	5	0.1
(2,612)	1:21:A:ASP:HB3	1:21:A:ASP:H	49	0.1
(2,609)	1:5:A:GLN:H	1:4:A:GLN:H	3	0.1
(2,609)	1:5:A:GLN:H	1:4:A:GLN:H	40	0.1
(2,607)	1:30:A:LEU:H	1:31:A:GLU:H	42	0.1
(2,605)	1:11:A:GLU:HB2	1:11:A:GLU:H	42	0.1
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	26	0.1
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	26	0.1
(2,602)	1:3:A:PRO:HD2	1:4:A:GLN:H	29	0.1
(2,602)	1:3:A:PRO:HD3	1:4:A:GLN:H	29	0.1
(2,582)	1:22:A:GLN:HA	1:25:A:GLN:HG2	50	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,564)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	37	0.1
(2,564)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	37	0.1
(2,564)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	37	0.1
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	8	0.1
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	8	0.1
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	8	0.1
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	34	0.1
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	34	0.1
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	34	0.1
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD11	47	0.1
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD12	47	0.1
(2,563)	1:6:A:ALA:HA	1:30:A:LEU:HD13	47	0.1
(2,557)	1:5:A:GLN:HA	1:8:A:TYR:HB3	46	0.1
(2,550)	1:3:A:PRO:HD3	1:2:A:SER:HA	41	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	7	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	7	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	7	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	9	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	9	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	9	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	10	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	10	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	10	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	13	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	13	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	13	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	18	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	18	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	18	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	31	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	31	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	31	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	41	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	41	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	41	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	42	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	42	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	42	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG11	46	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG12	46	0.1
(2,535)	1:15:A:VAL:HB	1:15:A:VAL:HG13	46	0.1
(2,532)	1:33:A:SER:HB2	1:33:A:SER:HA	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,532)	1:33:A:SER:HB3	1:33:A:SER:HA	13	0.1
(2,508)	1:25:A:GLN:HA	1:25:A:GLN:HG3	32	0.1
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	4	0.1
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	11	0.1
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	12	0.1
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	20	0.1
(2,496)	1:20:A:PHE:HB2	1:20:A:PHE:HA	27	0.1
(2,493)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	13	0.1
(2,493)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	13	0.1
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	11	0.1
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	15	0.1
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	26	0.1
(2,478)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	34	0.1
(2,464)	1:33:A:SER:HB2	1:33:A:SER:HA	13	0.1
(2,464)	1:33:A:SER:HB3	1:33:A:SER:HA	13	0.1
(2,461)	1:32:A:ARG:HB2	1:32:A:ARG:H	38	0.1
(2,455)	1:31:A:GLU:H	1:32:A:ARG:H	40	0.1
(2,445)	1:31:A:GLU:HG3	1:31:A:GLU:H	47	0.1
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	19	0.1
(2,444)	1:31:A:GLU:HB3	1:31:A:GLU:H	23	0.1
(2,438)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	48	0.1
(2,438)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	48	0.1
(2,438)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	48	0.1
(2,436)	1:30:A:LEU:H	1:31:A:GLU:H	42	0.1
(2,405)	1:29:A:PRO:HA	1:29:A:PRO:HG3	4	0.1
(2,396)	1:29:A:PRO:HD3	1:28:A:SER:H	12	0.1
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	12	0.1
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	16	0.1
(2,395)	1:29:A:PRO:HD2	1:28:A:SER:HA	28	0.1
(2,385)	1:27:A:CYS:H	1:28:A:SER:H	18	0.1
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	5	0.1
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	7	0.1
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	19	0.1
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	22	0.1
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	26	0.1
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	27	0.1
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	33	0.1
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	34	0.1
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	41	0.1
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	45	0.1
(2,368)	1:26:A:MET:HB2	1:26:A:MET:HA	47	0.1
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	4	0.1
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	24	0.1
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	24	0.1
(2,357)	1:25:A:GLN:HB2	1:25:A:GLN:H	46	0.1
(2,357)	1:25:A:GLN:HB3	1:25:A:GLN:H	46	0.1
(2,355)	1:25:A:GLN:HA	1:25:A:GLN:HG3	32	0.1
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	14	0.1
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	17	0.1
(2,346)	1:24:A:TYR:H	1:25:A:GLN:H	23	0.1
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	34	0.1
(2,344)	1:24:A:TYR:HB3	1:25:A:GLN:H	37	0.1
(2,341)	1:24:A:TYR:HB2	1:24:A:TYR:H	21	0.1
(2,315)	1:22:A:GLN:HA	1:25:A:GLN:HG2	50	0.1
(2,314)	1:22:A:GLN:H	1:23:A:CYS:H	29	0.1
(2,314)	1:22:A:GLN:H	1:23:A:CYS:H	34	0.1
(2,312)	1:22:A:GLN:HB2	1:23:A:CYS:H	9	0.1
(2,312)	1:22:A:GLN:HB3	1:23:A:CYS:H	9	0.1
(2,311)	1:22:A:GLN:HB2	1:22:A:GLN:HG2	12	0.1
(2,311)	1:22:A:GLN:HB3	1:22:A:GLN:HG2	12	0.1
(2,309)	1:22:A:GLN:HA	1:22:A:GLN:HG3	13	0.1
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	5	0.1
(2,289)	1:21:A:ASP:HB3	1:21:A:ASP:H	49	0.1
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	4	0.1
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	11	0.1
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	12	0.1
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	20	0.1
(2,271)	1:20:A:PHE:HB2	1:20:A:PHE:HA	27	0.1
(2,267)	1:19:A:PRO:HB3	1:20:A:PHE:H	39	0.1
(2,234)	1:17:A:LYS:HB2	1:17:A:LYS:H	42	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	3	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	3	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	3	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	7	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	7	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	7	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	13	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	13	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	13	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	18	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	18	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	18	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	23	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	23	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	23	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	31	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	31	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	31	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	39	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	39	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	39	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG21	47	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG22	47	0.1
(2,207)	1:15:A:VAL:HB	1:15:A:VAL:HG23	47	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	7	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	7	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	7	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	9	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	9	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	9	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	10	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	10	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	10	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	13	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	13	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	13	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	18	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	18	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	18	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	31	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	31	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	31	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	41	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	41	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	41	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	42	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	42	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	42	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG11	46	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG12	46	0.1
(2,206)	1:15:A:VAL:HB	1:15:A:VAL:HG13	46	0.1
(2,198)	1:14:A:ASN:HB2	1:14:A:ASN:H	48	0.1
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	14	0.1
(2,196)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	41	0.1
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,175)	1:12:A:GLN:HG3	1:13:A:CYS:H	23	0.1
(2,174)	1:12:A:GLN:HG2	1:13:A:CYS:H	36	0.1
(2,162)	1:12:A:GLN:HB2	1:12:A:GLN:H	18	0.1
(2,160)	1:11:A:GLU:H	1:12:A:GLN:H	27	0.1
(2,150)	1:11:A:GLU:HB2	1:11:A:GLU:H	42	0.1
(2,143)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	13	0.1
(2,143)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	13	0.1
(2,141)	1:10:A:TYR:HB2	1:11:A:GLU:H	23	0.1
(2,141)	1:10:A:TYR:HB2	1:11:A:GLU:H	31	0.1
(2,140)	1:10:A:TYR:H	1:11:A:GLU:H	3	0.1
(2,138)	1:10:A:TYR:HD1	1:10:A:TYR:H	34	0.1
(2,138)	1:10:A:TYR:HD2	1:10:A:TYR:H	34	0.1
(2,105)	1:8:A:TYR:HE1	1:12:A:GLN:HG3	14	0.1
(2,105)	1:8:A:TYR:HE2	1:12:A:GLN:HG3	14	0.1
(2,95)	1:8:A:TYR:HB2	1:8:A:TYR:H	34	0.1
(2,95)	1:8:A:TYR:HB2	1:8:A:TYR:H	35	0.1
(2,85)	1:7:A:LYS:HB2	1:8:A:TYR:H	25	0.1
(2,85)	1:7:A:LYS:HB3	1:8:A:TYR:H	25	0.1
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	11	0.1
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	15	0.1
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	26	0.1
(2,78)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	34	0.1
(2,65)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	37	0.1
(2,65)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	37	0.1
(2,65)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	37	0.1
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	8	0.1
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	8	0.1
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	8	0.1
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	34	0.1
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	34	0.1
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	34	0.1
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD11	47	0.1
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD12	47	0.1
(2,64)	1:6:A:ALA:HA	1:30:A:LEU:HD13	47	0.1
(2,48)	1:5:A:GLN:HA	1:8:A:TYR:H	29	0.1
(2,47)	1:5:A:GLN:HA	1:8:A:TYR:HB3	46	0.1
(2,39)	1:5:A:GLN:HB2	1:5:A:GLN:H	42	0.1
(2,38)	1:5:A:GLN:HG2	1:5:A:GLN:H	26	0.1
(2,38)	1:5:A:GLN:HG3	1:5:A:GLN:H	26	0.1
(2,36)	1:5:A:GLN:H	1:4:A:GLN:H	3	0.1
(2,36)	1:5:A:GLN:H	1:4:A:GLN:H	40	0.1
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	31	0.1
(2,33)	1:4:A:GLN:HB2	1:5:A:GLN:H	42	0.1
(2,29)	1:4:A:GLN:HG2	1:4:A:GLN:HA	43	0.1
(2,29)	1:4:A:GLN:HG3	1:4:A:GLN:HA	43	0.1
(2,28)	1:4:A:GLN:HB2	1:4:A:GLN:H	50	0.1
(2,28)	1:4:A:GLN:HB3	1:4:A:GLN:H	50	0.1
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB1	50	0.1
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB2	50	0.1
(2,25)	1:3:A:PRO:HA	1:6:A:ALA:HB3	50	0.1
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	26	0.1
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	26	0.1
(2,22)	1:3:A:PRO:HD2	1:4:A:GLN:H	29	0.1
(2,22)	1:3:A:PRO:HD3	1:4:A:GLN:H	29	0.1
(2,7)	1:3:A:PRO:HD3	1:2:A:SER:HA	41	0.1
(1,1024)	1:17:A:LYS:HG3	1:17:A:LYS:HA	42	0.1
(1,997)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	7	0.1
(1,976)	1:32:A:ARG:HB2	1:32:A:ARG:HG2	34	0.1
(1,955)	1:18:A:VAL:HG23	1:22:A:GLN:HB3	20	0.1
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	27	0.1
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	28	0.1
(1,953)	1:29:A:PRO:HD3	1:29:A:PRO:HA	42	0.1
(1,912)	1:11:A:GLU:H	1:12:A:GLN:H	27	0.1
(1,896)	1:10:A:TYR:HD1	1:10:A:TYR:H	34	0.1
(1,896)	1:10:A:TYR:HD2	1:10:A:TYR:H	34	0.1
(1,884)	1:8:A:TYR:HE1	1:12:A:GLN:HG3	14	0.1
(1,884)	1:8:A:TYR:HE2	1:12:A:GLN:HG3	14	0.1
(1,883)	1:8:A:TYR:HB2	1:8:A:TYR:H	34	0.1
(1,883)	1:8:A:TYR:HB2	1:8:A:TYR:H	35	0.1
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	15	0.1
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	31	0.1
(1,866)	1:4:A:GLN:HB2	1:5:A:GLN:H	42	0.1
(1,855)	1:22:A:GLN:H	1:23:A:CYS:H	29	0.1
(1,855)	1:22:A:GLN:H	1:23:A:CYS:H	34	0.1
(1,850)	1:19:A:PRO:HB3	1:20:A:PHE:H	39	0.1
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB1	50	0.1
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB2	50	0.1
(1,847)	1:3:A:PRO:HA	1:6:A:ALA:HB3	50	0.1
(1,841)	1:22:A:GLN:HA	1:22:A:GLN:HG3	13	0.1
(1,837)	1:31:A:GLU:H	1:32:A:ARG:H	40	0.1
(1,817)	1:29:A:PRO:HD3	1:28:A:SER:H	12	0.1
(1,816)	1:24:A:TYR:HB2	1:24:A:TYR:H	21	0.1
(1,815)	1:19:A:PRO:HD2	1:22:A:GLN:HB2	34	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:17:A:LYS:HB2	1:17:A:LYS:H	42	0.1
(1,786)	1:27:A:CYS:H	1:28:A:SER:H	18	0.1
(1,769)	1:32:A:ARG:HB2	1:32:A:ARG:H	38	0.1
(1,752)	1:5:A:GLN:HA	1:8:A:TYR:H	29	0.1
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	5	0.1
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	7	0.1
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	19	0.1
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	22	0.1
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	26	0.1
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	27	0.1
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	33	0.1
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	34	0.1
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	41	0.1
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	45	0.1
(1,725)	1:26:A:MET:HB2	1:26:A:MET:HA	47	0.1
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	14	0.1
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	17	0.1
(1,694)	1:24:A:TYR:H	1:25:A:GLN:H	23	0.1
(1,680)	1:5:A:GLN:HB2	1:5:A:GLN:H	42	0.1
(1,679)	1:31:A:GLU:HG3	1:31:A:GLU:H	47	0.1
(1,673)	1:12:A:GLN:HB2	1:12:A:GLN:H	18	0.1
(1,667)	1:30:A:LEU:HD11	1:31:A:GLU:HB2	48	0.1
(1,667)	1:30:A:LEU:HD12	1:31:A:GLU:HB2	48	0.1
(1,667)	1:30:A:LEU:HD13	1:31:A:GLU:HB2	48	0.1
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	14	0.1
(1,666)	1:13:A:CYS:HB2	1:23:A:CYS:HB2	41	0.1
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	12	0.1
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	16	0.1
(1,665)	1:29:A:PRO:HD2	1:28:A:SER:HA	28	0.1
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	1	0.1
(1,655)	1:12:A:GLN:HG3	1:13:A:CYS:H	23	0.1
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	34	0.1
(1,647)	1:24:A:TYR:HB3	1:25:A:GLN:H	37	0.1
(1,645)	1:12:A:GLN:HG2	1:13:A:CYS:H	36	0.1
(1,636)	1:14:A:ASN:HB2	1:14:A:ASN:H	48	0.1
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	19	0.1
(1,631)	1:31:A:GLU:HB3	1:31:A:GLU:H	23	0.1
(1,611)	1:29:A:PRO:HA	1:29:A:PRO:HG3	4	0.1
(1,605)	1:10:A:TYR:HB2	1:11:A:GLU:H	23	0.1
(1,605)	1:10:A:TYR:HB2	1:11:A:GLU:H	31	0.1
(1,599)	1:10:A:TYR:H	1:11:A:GLU:H	3	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	3	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	3	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	7	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	7	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	7	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	13	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	13	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	13	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	18	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	18	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	18	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	23	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	23	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	23	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	31	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	31	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	31	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	39	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	39	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	39	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG21	47	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG22	47	0.1
(1,597)	1:15:A:VAL:HB	1:15:A:VAL:HG23	47	0.1
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	5	0.1
(1,595)	1:21:A:ASP:HB3	1:21:A:ASP:H	49	0.1
(1,592)	1:5:A:GLN:H	1:4:A:GLN:H	3	0.1
(1,592)	1:5:A:GLN:H	1:4:A:GLN:H	40	0.1
(1,590)	1:30:A:LEU:H	1:31:A:GLU:H	42	0.1
(1,588)	1:11:A:GLU:HB2	1:11:A:GLU:H	42	0.1
(1,566)	1:22:A:GLN:HA	1:25:A:GLN:HG2	50	0.1
(1,554)	1:6:A:ALA:HB1	1:31:A:GLU:HG2	37	0.1
(1,554)	1:6:A:ALA:HB2	1:31:A:GLU:HG2	37	0.1
(1,554)	1:6:A:ALA:HB3	1:31:A:GLU:HG2	37	0.1
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	8	0.1
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	8	0.1
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	8	0.1
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	34	0.1
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	34	0.1
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	34	0.1
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD11	47	0.1
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD12	47	0.1
(1,553)	1:6:A:ALA:HA	1:30:A:LEU:HD13	47	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:5:A:GLN:HA	1:8:A:TYR:HB3	46	0.1
(1,540)	1:3:A:PRO:HD3	1:2:A:SER:HA	41	0.1
(1,539)	1:2:A:SER:HA	1:2:A:SER:HB2	27	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	7	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	7	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	7	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	9	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	9	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	9	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	10	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	10	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	10	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	13	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	13	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	13	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	18	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	18	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	18	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	31	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	31	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	31	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	41	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	41	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	41	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	42	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	42	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	42	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG11	46	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG12	46	0.1
(1,525)	1:15:A:VAL:HB	1:15:A:VAL:HG13	46	0.1
(1,498)	1:25:A:GLN:HA	1:25:A:GLN:HG3	32	0.1
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	4	0.1
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	11	0.1
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	12	0.1
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	20	0.1
(1,486)	1:20:A:PHE:HB2	1:20:A:PHE:HA	27	0.1
(1,483)	1:10:A:TYR:HE1	1:24:A:TYR:HB2	13	0.1
(1,483)	1:10:A:TYR:HE2	1:24:A:TYR:HB2	13	0.1
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	11	0.1
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	15	0.1
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	26	0.1
(1,468)	1:7:A:LYS:HE2	1:7:A:LYS:HD3	34	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:6:A:ALA:HB3	1:31:A:GLU:HB3	14	0.1
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG12	21	0.1
(1,428)	1:19:A:PRO:HD3	1:18:A:VAL:HG11	49	0.1
(1,414)	1:2:A:SER:HB3	1:5:A:GLN:HB3	2	0.1
(1,400)	1:15:A:VAL:HG13	1:15:A:VAL:HG23	18	0.1
(1,400)	1:15:A:VAL:HG12	1:15:A:VAL:HG22	34	0.1
(1,375)	1:24:A:TYR:H	1:24:A:TYR:HD2	18	0.1
(1,345)	1:30:A:LEU:HG	1:30:A:LEU:HB3	18	0.1
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE1	17	0.1
(1,323)	1:27:A:CYS:H	1:26:A:MET:HE2	32	0.1
(1,294)	1:13:A:CYS:H	1:10:A:TYR:HA	19	0.1
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	16	0.1
(1,269)	1:7:A:LYS:H	1:5:A:GLN:HA	20	0.1
(1,262)	1:5:A:GLN:H	1:4:A:GLN:HG3	20	0.1
(1,257)	1:5:A:GLN:H	1:4:A:GLN:HB3	12	0.1
(1,218)	1:23:A:CYS:H	1:23:A:CYS:HB3	33	0.1
(1,218)	1:23:A:CYS:H	1:23:A:CYS:HB3	39	0.1
(1,196)	1:12:A:GLN:HG2	1:12:A:GLN:HA	30	0.1
(1,177)	1:12:A:GLN:HA	1:15:A:VAL:HG11	20	0.1
(1,176)	1:12:A:GLN:HA	1:15:A:VAL:HG22	33	0.1
(1,174)	1:10:A:TYR:HA	1:13:A:CYS:HB2	16	0.1
(1,156)	1:19:A:PRO:HD2	1:18:A:VAL:HA	35	0.1
(1,151)	1:8:A:TYR:HA	1:11:A:GLU:HB3	9	0.1
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG11	14	0.1
(1,146)	1:19:A:PRO:HD2	1:18:A:VAL:HG12	44	0.1
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	10	0.1
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	15	0.1
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	16	0.1
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	19	0.1
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	26	0.1
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	27	0.1
(1,114)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	44	0.1
(1,111)	1:30:A:LEU:HD21	1:30:A:LEU:HA	26	0.1
(1,84)	1:24:A:TYR:HE1	1:28:A:SER:HB3	41	0.1
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	4	0.1
(1,2)	1:3:A:PRO:HB2	1:3:A:PRO:HA	20	0.1

10 Dihedral-angle violation analysis

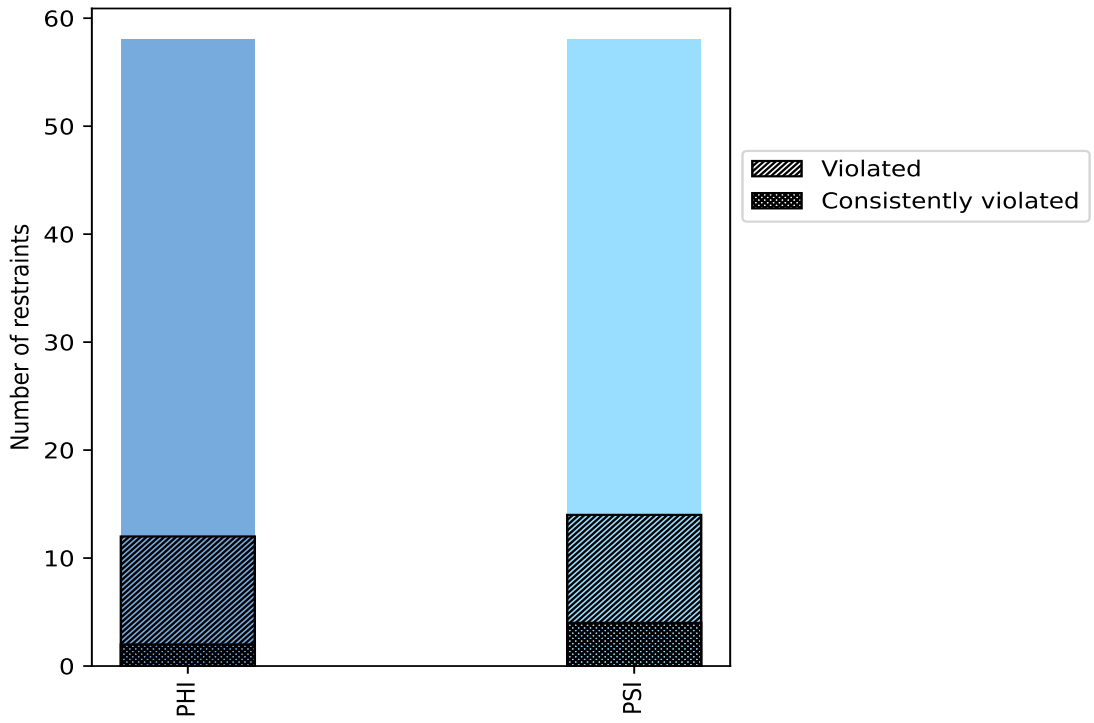
10.1 Summary of dihedral-angle violations

The following table provides the summary of dihedral-angle violations in different dihedral-angle types. Violations less than 1° are not included in the calculation.

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PHI	58	50.0	12	20.7	10.3	2	3.4	1.7
PSI	58	50.0	14	24.1	12.1	4	6.9	3.4
Total	116	100.0	26	22.4	22.4	6	5.2	5.2

[1] percentage calculated with respect to total number of dihedral-angle restraints, [2] percentage calculated with respect to number of restraints in a particular dihedral-angle type, [3] violated in at least one model, [4] violated in all the models

10.1.1 Bar chart : Distribution of dihedral-angles and violations



Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model (i)

The following table provides the dihedral-angle violation statistics for each model in the ensemble. Violations less than 1° are not included in the statistics.

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	2	4	6	5.71	7.55	2.14	6.87
2	2	6	8	4.47	6.64	1.86	4.87
3	2	4	6	7.47	10.56	3.74	9.64
4	2	6	8	4.37	5.98	1.76	5.05
5	6	6	12	3.71	7.08	2.14	3.16
6	2	6	8	4.62	5.62	0.96	4.88
7	2	4	6	5.99	7.8	2.09	7.12
8	2	4	6	4.77	5.56	0.83	5.13
9	4	6	10	4.09	6.4	1.63	4.66
10	2	4	6	3.97	5.5	1.09	3.31
11	2	6	8	3.99	5.34	1.65	4.72
12	4	6	10	3.74	6.13	1.53	3.75
13	2	6	8	5.09	7.42	2.33	5.64
14	4	8	12	2.9	4.71	1.49	2.93
15	2	8	10	4.11	6.73	2.19	4.11
16	2	8	10	3.21	5.53	1.71	3.32
17	2	6	8	4.03	5.58	1.32	4.04
18	4	10	14	3.81	8.32	2.41	2.67
19	4	4	8	3.65	4.9	1.23	4.05
20	4	6	10	3.25	4.84	1.53	3.72
21	2	6	8	3.5	4.75	1.34	3.91
22	4	8	12	3.27	5.56	1.9	3.29
23	2	6	8	6.03	9.13	3.22	6.64
24	4	6	10	4.6	7.55	2.29	4.29
25	2	4	6	5.67	7.48	1.29	4.98
26	4	4	8	3.69	6.09	1.71	3.52
27	2	4	6	4.75	6.62	1.33	4.01
28	2	4	6	6.92	8.91	2.5	8.45
29	2	6	8	4.52	6.37	1.83	4.98
30	4	8	12	2.95	5.72	1.76	2.05
31	4	8	12	3.24	6.07	1.85	3.06
32	2	4	6	5.33	5.82	0.36	5.18
33	4	4	8	4.18	6.89	2.07	4.36
34	2	6	8	3.93	4.83	0.87	4.14
35	2	6	8	3.95	5.77	1.61	3.93
36	2	6	8	3.43	4.56	1.26	3.9
37	4	6	10	4.98	8.26	2.56	3.66
38	2	6	8	4.56	6.29	1.63	5.04

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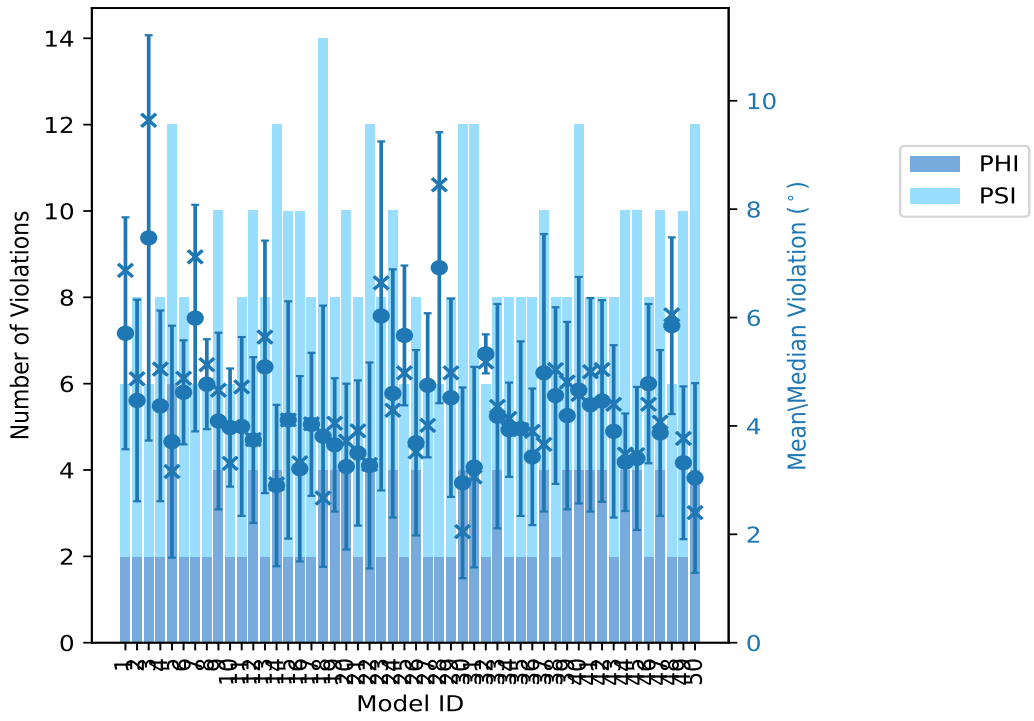
Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
39	4	4	8	4.19	5.85	1.73	4.81
40	4	8	12	4.66	7.37	2.09	4.58
41	4	4	8	4.39	6.27	1.97	5.0
42	4	4	8	4.46	6.33	1.86	5.04
43	2	6	8	3.9	5.51	1.59	4.4
44	4	6	10	3.33	4.57	0.9	3.48
45	4	6	10	3.4	5.37	1.32	3.47
46	2	6	8	4.78	6.92	1.47	4.4
47	4	6	10	3.87	6.3	1.53	4.07
48	2	4	6	5.85	7.74	1.63	6.05
49	2	8	10	3.32	4.9	1.41	3.77
50	4	8	12	3.04	5.65	1.75	2.4

10.2.1 Bar graph : Dihedral violation statistics for each model



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

10.3 Dihedral-angle violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in very few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of ensemble.

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count[1]	%
0	0	0	1	2.0
4	0	4	2	4.0
0	2	2	3	6.0
0	0	0	4	8.0
4	4	8	5	10.0
0	2	2	6	12.0
0	0	0	7	14.0
0	0	0	8	16.0
2	0	2	9	18.0
0	0	0	10	20.0
0	0	0	11	22.0
0	0	0	12	24.0
0	0	0	13	26.0
0	0	0	14	28.0
0	0	0	15	30.0
0	0	0	16	32.0
0	0	0	17	34.0
0	0	0	18	36.0
0	0	0	19	38.0
0	0	0	20	40.0
0	0	0	21	42.0
0	0	0	22	44.0
0	0	0	23	46.0
0	0	0	24	48.0
0	0	0	25	50.0
0	2	2	26	52.0
0	0	0	27	54.0
0	0	0	28	56.0
0	0	0	29	58.0
0	0	0	30	60.0
0	0	0	31	62.0
0	0	0	32	64.0
0	0	0	33	66.0
0	0	0	34	68.0
0	0	0	35	70.0
0	0	0	36	72.0
0	0	0	37	74.0

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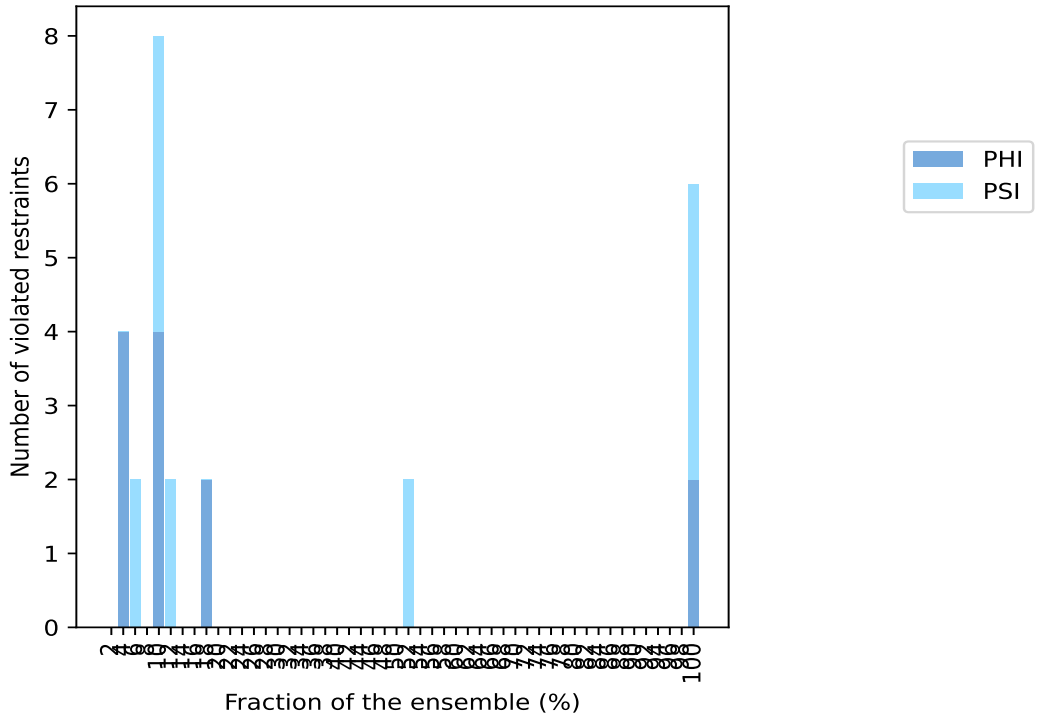
Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count[1]	%
0	0	0	38	76.0
0	0	0	39	78.0
0	0	0	40	80.0
0	0	0	41	82.0
0	0	0	42	84.0
0	0	0	43	86.0
0	0	0	44	88.0
0	0	0	45	90.0
0	0	0	46	92.0
0	0	0	47	94.0
0	0	0	48	96.0
0	0	0	49	98.0
2	4	6	50	100.0

[1] Number of models with violations

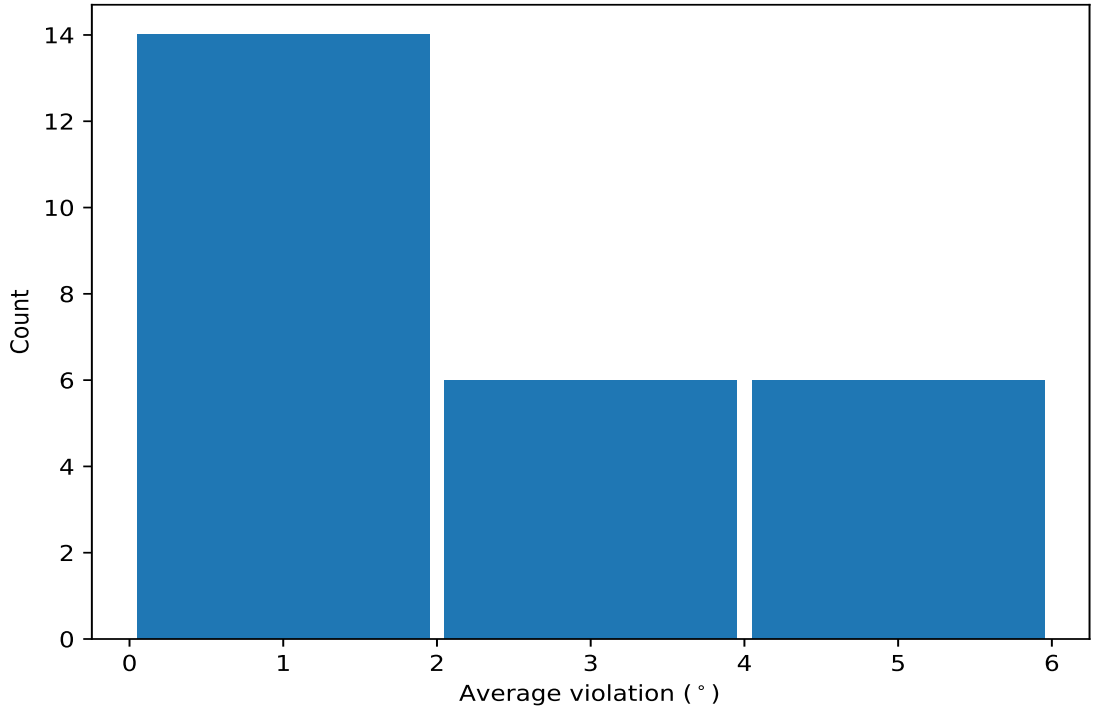
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble



10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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



10.4.2 Table: Most violated dihedral-angle restraints

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	50	5.77	1.67	5.44
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	50	5.77	1.67	5.44
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	50	5.09	1.66	4.75
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	50	5.09	1.66	4.75
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	50	4.71	1.1	4.62
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	50	4.71	1.1	4.62
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	26	2.03	0.64	1.9
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	26	2.03	0.64	1.9
(1,36)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	9	1.49	0.33	1.55
(2,47)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	9	1.49	0.33	1.55
(1,56)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	6	1.89	0.43	1.79
(2,58)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	6	1.89	0.43	1.79
(1,49)	1:27:A:CYS:N	1:27:A:CYS:CA	1:27:A:CYS:C	1:28:A:SER:N	5	2.75	0.63	2.54

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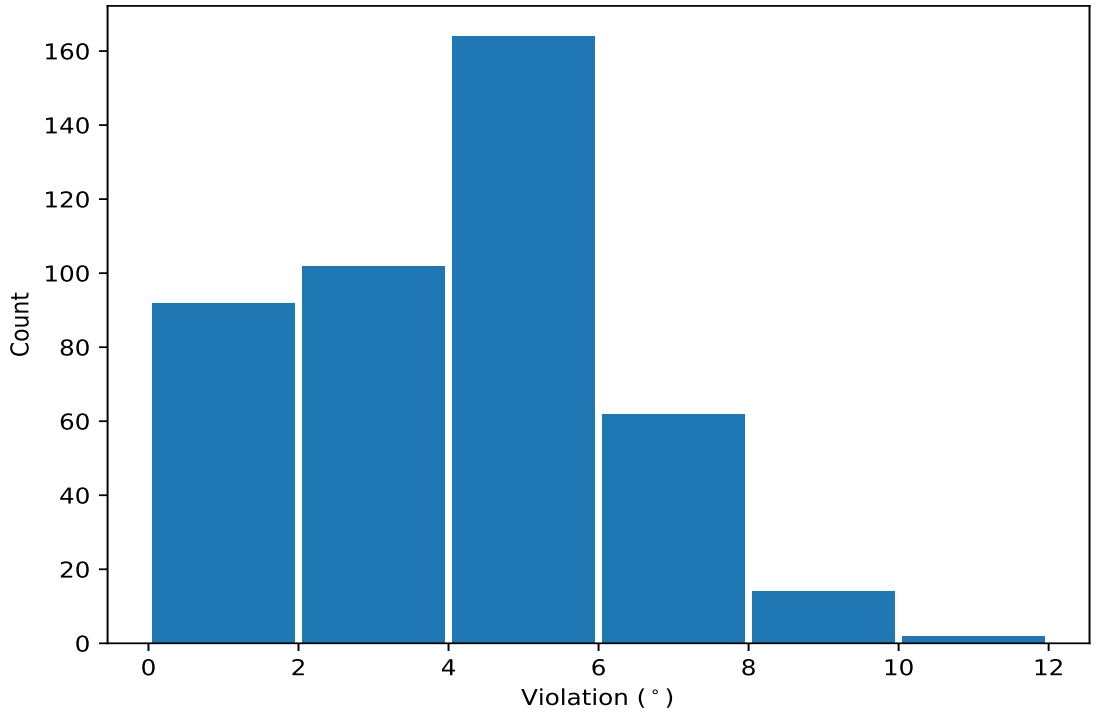
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(2,50)	1:27:A:CYS:N	1:27:A:CYS:CA	1:27:A:CYS:C	1:28:A:SER:N	5	2.75	0.63	2.54
(1,32)	1:17:A:LYS:C	1:18:A:VAL:N	1:18:A:VAL:CA	1:18:A:VAL:C	5	2.44	1.02	2.38
(2,31)	1:17:A:LYS:C	1:18:A:VAL:N	1:18:A:VAL:CA	1:18:A:VAL:C	5	2.44	1.02	2.38
(1,17)	1:11:A:GLU:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	5	1.46	0.23	1.46
(2,19)	1:11:A:GLU:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	5	1.46	0.23	1.46
(1,48)	1:19:A:PRO:N	1:19:A:PRO:CA	1:19:A:PRO:C	1:20:A:PHE:N	5	1.27	0.26	1.17
(2,34)	1:19:A:PRO:N	1:19:A:PRO:CA	1:19:A:PRO:C	1:20:A:PHE:N	5	1.27	0.26	1.17
(1,24)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:CYS:N	3	1.44	0.23	1.34
(2,20)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:CYS:N	3	1.44	0.23	1.34
(1,30)	1:30:A:LEU:C	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	2	1.84	0.13	1.84
(2,57)	1:30:A:LEU:C	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	2	1.84	0.13	1.84
(1,51)	1:29:A:PRO:C	1:30:A:LEU:N	1:30:A:LEU:CA	1:30:A:LEU:C	2	1.48	0.19	1.48
(2,55)	1:29:A:PRO:C	1:30:A:LEU:N	1:30:A:LEU:CA	1:30:A:LEU:C	2	1.48	0.19	1.48

[1] Number of violated models, [2]Standard deviation, All angle values are in degree (°)

10.5 All violated dihedral-angle restraints

10.5.1 Histogram : Distribution of violations

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



10.5.2 Table: All violated dihedral-angle restraints (i)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	3	10.56
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	3	10.56
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	3	9.64
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	3	9.64
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	23	9.13
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	23	9.13
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	23	9.13
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	23	9.13
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	28	8.91
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	28	8.91
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	28	8.45
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	28	8.45
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	18	8.32
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	18	8.32
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	37	8.26
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	37	8.26
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	37	7.9
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	37	7.9
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	7	7.8
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	7	7.8
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	48	7.74
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	48	7.74
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1	7.55
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	24	7.55
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	24	7.55
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1	7.55
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	25	7.48
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	25	7.48
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	13	7.42
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	13	7.42
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	40	7.37
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	40	7.37
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	7	7.12
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	7	7.12
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	5	7.08
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	5	7.08
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	13	7.04
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	13	7.04
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	46	6.92
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	46	6.92
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	33	6.89
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	33	6.89
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	24	6.88
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	24	6.88
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	1	6.87
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	1	6.87
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	40	6.82

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	40	6.82
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	15	6.73
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	15	6.73
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	2	6.64
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	2	6.64
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	18	6.62
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	27	6.62
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	27	6.62
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	18	6.62
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	9	6.4
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	9	6.4
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	15	6.39
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	15	6.39
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	29	6.37
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	29	6.37
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	42	6.33
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	42	6.33
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	47	6.3
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	47	6.3
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	38	6.29
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	38	6.29
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	41	6.27
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	41	6.27
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	12	6.13
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	12	6.13
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	26	6.09
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	26	6.09
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	31	6.07
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	31	6.07
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	48	6.05
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	48	6.05
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	4	5.98
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	4	5.98
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	5	5.95
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	5	5.95
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	41	5.91
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	29	5.91
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	41	5.91
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	29	5.91
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	39	5.85
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	39	5.85
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	32	5.82
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	32	5.82
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	35	5.77
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	35	5.77
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	30	5.72
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	30	5.72
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	40	5.68
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	40	5.68
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	50	5.65
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	50	5.65

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	6	5.62
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	6	5.62
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	42	5.6
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	42	5.6
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	17	5.58
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	17	5.58
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	8	5.56
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	22	5.56
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	22	5.56
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	8	5.56
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	16	5.53
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	16	5.53
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	43	5.51
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	43	5.51
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	10	5.5
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	10	5.5
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	22	5.39
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	22	5.39
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	45	5.37
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	45	5.37
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	46	5.36
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	46	5.36
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	11	5.34
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	11	5.34
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	38	5.32
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	38	5.32
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	35	5.31
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	35	5.31
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	50	5.21
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	50	5.21
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	32	5.18
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	32	5.18
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	6	5.17
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	6	5.17
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	4	5.13
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	8	5.13
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	8	5.13
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	4	5.13
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	2	5.09
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	2	5.09
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	39	5.07
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	39	5.07
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	17	5.04
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	17	5.04
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	30	5.01
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	30	5.01
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	32	4.99
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	32	4.99
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	25	4.98
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	25	4.98
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	4	4.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	4	4.97
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	19	4.9
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	49	4.9
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	19	4.9
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	49	4.9
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	20	4.84
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	20	4.84
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	34	4.83
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	34	4.83
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	20	4.8
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	20	4.8
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	9	4.78
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	9	4.78
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	11	4.75
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	21	4.75
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	38	4.75
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	11	4.75
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	21	4.75
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	38	4.75
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	31	4.72
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	31	4.72
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	14	4.71
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	14	4.71
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	11	4.69
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	11	4.69
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	33	4.67
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	33	4.67
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	9	4.66
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	9	4.66
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	2	4.65
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	2	4.65
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	6	4.6
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	21	4.6
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	6	4.6
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	21	4.6
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	16	4.59
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	16	4.59
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	49	4.57
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	44	4.57
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	49	4.57
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	44	4.57
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	36	4.56
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	34	4.56
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	36	4.56
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	34	4.56
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	39	4.55
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	39	4.55
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	25	4.54
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	43	4.54
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	25	4.54
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	43	4.54

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	42	4.47
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	42	4.47
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	26	4.4
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	26	4.4
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	22	4.31
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	14	4.31
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	14	4.31
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	22	4.31
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	24	4.29
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	24	4.29
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	43	4.27
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	43	4.27
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	36	4.24
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	36	4.24
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	13	4.23
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	47	4.23
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	13	4.23
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	47	4.23
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	45	4.19
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	45	4.19
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	23	4.14
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	31	4.14
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	23	4.14
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	31	4.14
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	15	4.11
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	15	4.11
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	41	4.08
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	41	4.08
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	14	4.07
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	47	4.07
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	47	4.07
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	14	4.07
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	29	4.06
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	19	4.06
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	29	4.06
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	19	4.06
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	33	4.05
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	33	4.05
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	19	4.04
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	19	4.04
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	27	4.01
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	27	4.01
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	44	3.96
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	44	3.96
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	12	3.8
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	12	3.8
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	48	3.77
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	49	3.77
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	49	3.77
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	48	3.77
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	12	3.75

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	12	3.75
(2,50)	1:27:A:CYS:N	1:27:A:CYS:CA	1:27:A:CYS:C	1:28:A:SER:N	12	3.73
(1,49)	1:27:A:CYS:N	1:27:A:CYS:CA	1:27:A:CYS:C	1:28:A:SER:N	12	3.73
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	20	3.72
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	34	3.72
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	34	3.72
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	20	3.72
(2,31)	1:17:A:LYS:C	1:18:A:VAL:N	1:18:A:VAL:CA	1:18:A:VAL:C	37	3.66
(1,32)	1:17:A:LYS:C	1:18:A:VAL:N	1:18:A:VAL:CA	1:18:A:VAL:C	37	3.66
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	8	3.62
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	27	3.62
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	8	3.62
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	27	3.62
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	36	3.57
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	36	3.57
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	5	3.54
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	5	3.54
(2,31)	1:17:A:LYS:C	1:18:A:VAL:N	1:18:A:VAL:CA	1:18:A:VAL:C	40	3.49
(1,32)	1:17:A:LYS:C	1:18:A:VAL:N	1:18:A:VAL:CA	1:18:A:VAL:C	40	3.49
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	44	3.48
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	44	3.48
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	45	3.47
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	45	3.47
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	46	3.44
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	46	3.44
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	28	3.39
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	46	3.39
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	28	3.39
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	46	3.39
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	16	3.32
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	16	3.32
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	10	3.31
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	10	3.31
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	21	3.22
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	21	3.22
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	18	3.12
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	18	3.12
(2,50)	1:27:A:CYS:N	1:27:A:CYS:CA	1:27:A:CYS:C	1:28:A:SER:N	47	3.11
(1,49)	1:27:A:CYS:N	1:27:A:CYS:CA	1:27:A:CYS:C	1:28:A:SER:N	47	3.11
(2,28)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	10	3.09
(1,47)	1:16:A:ASN:N	1:16:A:ASN:CA	1:16:A:ASN:C	1:17:A:LYS:N	10	3.09
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	6	3.08
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	6	3.08
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	7	3.06
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	7	3.06
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	17	3.05
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	17	3.05
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	9	2.93
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	9	2.93
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	40	2.82
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	40	2.82

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	5	2.77
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	5	2.77
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	1	2.71
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	1	2.71
(2,58)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	18	2.67
(1,56)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	18	2.67
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	26	2.63
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	26	2.63
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	34	2.61
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	34	2.61
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	35	2.55
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	37	2.55
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	37	2.55
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	37	2.55
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	35	2.55
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	37	2.55
(2,50)	1:27:A:CYS:N	1:27:A:CYS:CA	1:27:A:CYS:C	1:28:A:SER:N	50	2.54
(1,49)	1:27:A:CYS:N	1:27:A:CYS:CA	1:27:A:CYS:C	1:28:A:SER:N	50	2.54
(2,50)	1:27:A:CYS:N	1:27:A:CYS:CA	1:27:A:CYS:C	1:28:A:SER:N	18	2.51
(1,49)	1:27:A:CYS:N	1:27:A:CYS:CA	1:27:A:CYS:C	1:28:A:SER:N	18	2.51
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	17	2.43
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	17	2.43
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	44	2.41
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	44	2.41
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	30	2.39
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	30	2.39
(2,31)	1:17:A:LYS:C	1:18:A:VAL:N	1:18:A:VAL:CA	1:18:A:VAL:C	24	2.38
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	45	2.38
(1,32)	1:17:A:LYS:C	1:18:A:VAL:N	1:18:A:VAL:CA	1:18:A:VAL:C	24	2.38
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	45	2.38
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	22	2.27
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	22	2.27
(2,29)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	50	2.26
(1,1)	1:16:A:ASN:C	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	50	2.26
(2,47)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	44	2.23
(1,36)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	44	2.23
(2,30)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	3	2.21
(1,2)	1:17:A:LYS:N	1:17:A:LYS:CA	1:17:A:LYS:C	1:18:A:VAL:N	3	2.21
(2,58)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	35	2.16
(1,56)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	35	2.16
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	49	2.02
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	49	2.02
(2,58)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	31	1.97
(2,57)	1:30:A:LEU:C	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	18	1.97
(1,56)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	31	1.97
(1,30)	1:30:A:LEU:C	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	18	1.97
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	24	1.9
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	38	1.9
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	24	1.9
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	38	1.9
(2,50)	1:27:A:CYS:N	1:27:A:CYS:CA	1:27:A:CYS:C	1:28:A:SER:N	15	1.85

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,49)	1:27:A:CYS:N	1:27:A:CYS:CA	1:27:A:CYS:C	1:28:A:SER:N	15	1.85
(2,19)	1:11:A:GLU:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	14	1.79
(1,17)	1:11:A:GLU:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	14	1.79
(2,20)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:CYS:N	40	1.76
(1,24)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:CYS:N	40	1.76
(2,34)	1:19:A:PRO:N	1:19:A:PRO:CA	1:19:A:PRO:C	1:20:A:PHE:N	29	1.72
(1,48)	1:19:A:PRO:N	1:19:A:PRO:CA	1:19:A:PRO:C	1:20:A:PHE:N	29	1.72
(2,57)	1:30:A:LEU:C	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	30	1.71
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	23	1.71
(1,30)	1:30:A:LEU:C	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	30	1.71
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	23	1.71
(2,55)	1:29:A:PRO:C	1:30:A:LEU:N	1:30:A:LEU:CA	1:30:A:LEU:C	9	1.68
(1,51)	1:29:A:PRO:C	1:30:A:LEU:N	1:30:A:LEU:CA	1:30:A:LEU:C	9	1.68
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	13	1.67
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	13	1.67
(2,47)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	26	1.63
(1,36)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	26	1.63
(2,19)	1:11:A:GLU:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	47	1.62
(1,17)	1:11:A:GLU:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	47	1.62
(2,58)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	30	1.61
(2,47)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	19	1.61
(2,47)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	45	1.61
(2,31)	1:17:A:LYS:C	1:18:A:VAL:N	1:18:A:VAL:CA	1:18:A:VAL:C	5	1.61
(1,56)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	30	1.61
(1,36)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	19	1.61
(1,36)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	45	1.61
(1,32)	1:17:A:LYS:C	1:18:A:VAL:N	1:18:A:VAL:CA	1:18:A:VAL:C	5	1.61
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	16	1.59
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	16	1.59
(2,47)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	20	1.55
(1,36)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	20	1.55
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	2	1.52
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	2	1.52
(2,58)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	15	1.48
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	18	1.48
(1,56)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	15	1.48
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	18	1.48
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	31	1.46
(2,19)	1:11:A:GLU:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	42	1.46
(1,17)	1:11:A:GLU:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	42	1.46
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	31	1.46
(2,58)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	50	1.45
(1,56)	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	1:32:A:ARG:N	50	1.45
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	21	1.42
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	21	1.42
(2,34)	1:19:A:PRO:N	1:19:A:PRO:CA	1:19:A:PRO:C	1:20:A:PHE:N	4	1.39
(1,48)	1:19:A:PRO:N	1:19:A:PRO:CA	1:19:A:PRO:C	1:20:A:PHE:N	4	1.39
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	36	1.34
(2,20)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:CYS:N	49	1.34
(1,24)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:CYS:N	49	1.34
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	36	1.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,47)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	5	1.33
(1,36)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	5	1.33
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	20	1.32
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	20	1.32
(2,47)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	39	1.3
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	14	1.3
(1,36)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	39	1.3
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	14	1.3
(2,55)	1:29:A:PRO:C	1:30:A:LEU:N	1:30:A:LEU:CA	1:30:A:LEU:C	12	1.29
(2,19)	1:11:A:GLU:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	41	1.29
(1,51)	1:29:A:PRO:C	1:30:A:LEU:N	1:30:A:LEU:CA	1:30:A:LEU:C	12	1.29
(1,17)	1:11:A:GLU:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	41	1.29
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	43	1.26
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	43	1.26
(2,24)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	30	1.24
(1,9)	1:14:A:ASN:N	1:14:A:ASN:CA	1:14:A:ASN:C	1:15:A:VAL:N	30	1.24
(2,20)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:CYS:N	14	1.22
(1,24)	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	1:13:A:CYS:N	14	1.22
(2,34)	1:19:A:PRO:N	1:19:A:PRO:CA	1:19:A:PRO:C	1:20:A:PHE:N	11	1.17
(1,48)	1:19:A:PRO:N	1:19:A:PRO:CA	1:19:A:PRO:C	1:20:A:PHE:N	11	1.17
(2,19)	1:11:A:GLU:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	50	1.16
(1,17)	1:11:A:GLU:C	1:12:A:GLN:N	1:12:A:GLN:CA	1:12:A:GLN:C	50	1.16
(2,47)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	22	1.1
(1,36)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	22	1.1
(2,47)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	33	1.09
(1,36)	1:25:A:GLN:C	1:26:A:MET:N	1:26:A:MET:CA	1:26:A:MET:C	33	1.09
(2,31)	1:17:A:LYS:C	1:18:A:VAL:N	1:18:A:VAL:CA	1:18:A:VAL:C	31	1.06
(1,32)	1:17:A:LYS:C	1:18:A:VAL:N	1:18:A:VAL:CA	1:18:A:VAL:C	31	1.06
(2,34)	1:19:A:PRO:N	1:19:A:PRO:CA	1:19:A:PRO:C	1:20:A:PHE:N	16	1.04
(1,48)	1:19:A:PRO:N	1:19:A:PRO:CA	1:19:A:PRO:C	1:20:A:PHE:N	16	1.04
(2,34)	1:19:A:PRO:N	1:19:A:PRO:CA	1:19:A:PRO:C	1:20:A:PHE:N	22	1.01
(1,48)	1:19:A:PRO:N	1:19:A:PRO:CA	1:19:A:PRO:C	1:20:A:PHE:N	22	1.01