Full wwPDB NMR Structure Validation Report ⓘ

Mar 8, 2026 – 07:49 AM UTC

PDB ID	:	9HDI / pdb_00009hdi
BMRB ID	:	50124
Title	:	N-terminally truncated CanA from Pyrodictium abyssi - K1-CanA
Authors	:	Munte, C.E.; Kalbitzer, H.R.; Kreitner, R.R.; Stetter, K.O.
Deposited on	:	2024-11-12

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

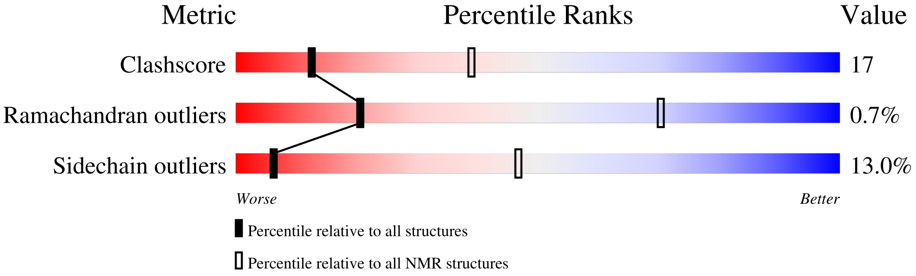
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

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 95%.

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	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

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	183	

2 Ensemble composition and analysis ⓘ

This entry contains 10 models. Model 4 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy.*

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:23-A:33, A:39-A:87, A:95-A:119, A:131-A:183 (138)	0.70	4

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 2 clusters and 4 single-model clusters were found.

Cluster number	**Models**
1	1, 4, 5, 8
2	3, 7
Single-model clusters	2; 6; 9; 10

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 2638 atoms, of which 1317 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Cannulae forming protein.

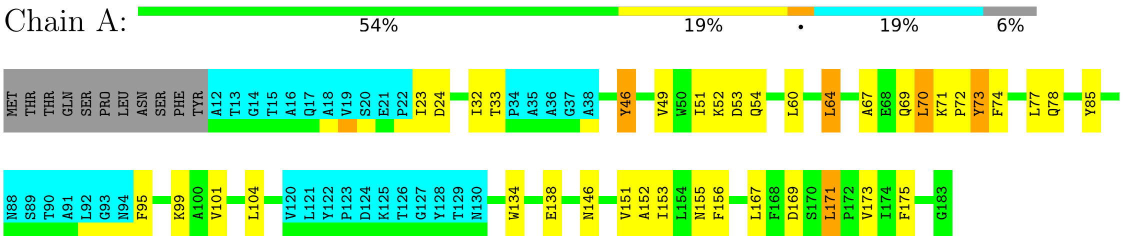
Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	172	2638	854	1317	205	261	1	0

4 Residue-property plots

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: Cannulae forming protein

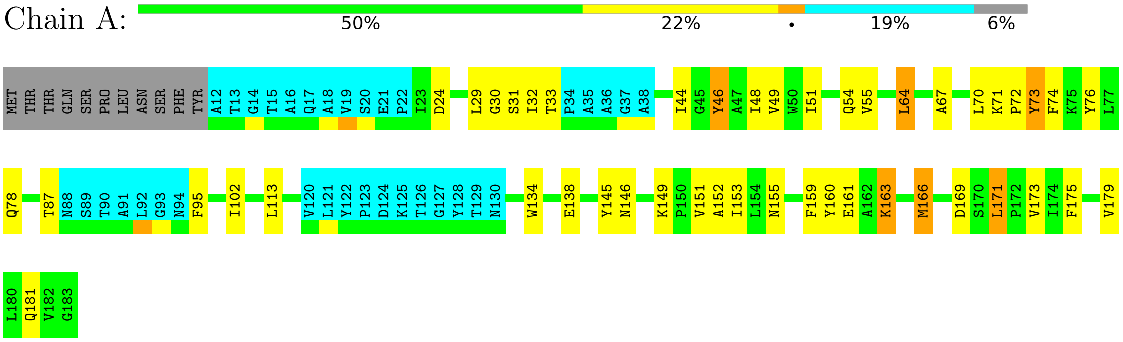


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

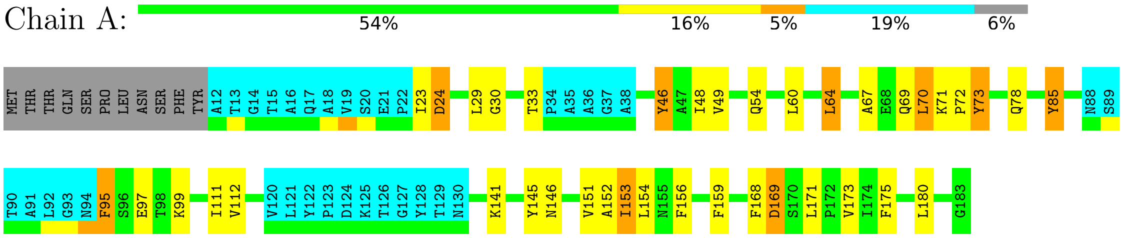
4.2.1 Score per residue for model 1

- Molecule 1: Cannulae forming protein



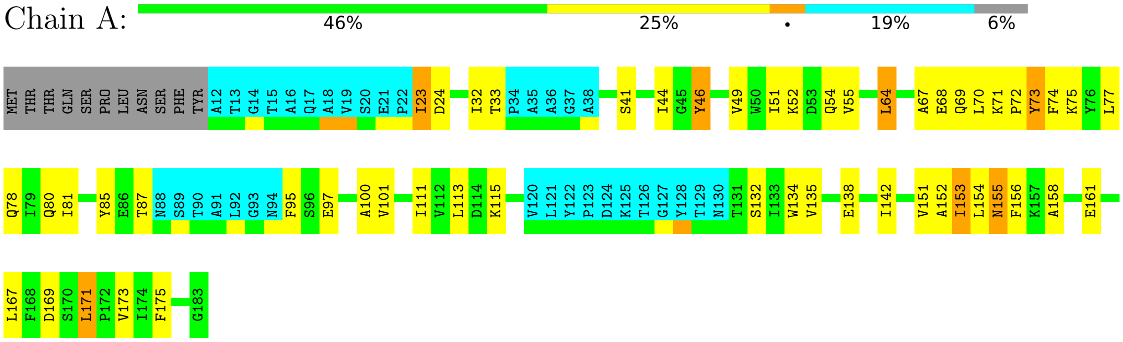
4.2.2 Score per residue for model 2

- Molecule 1: Cannulae forming protein



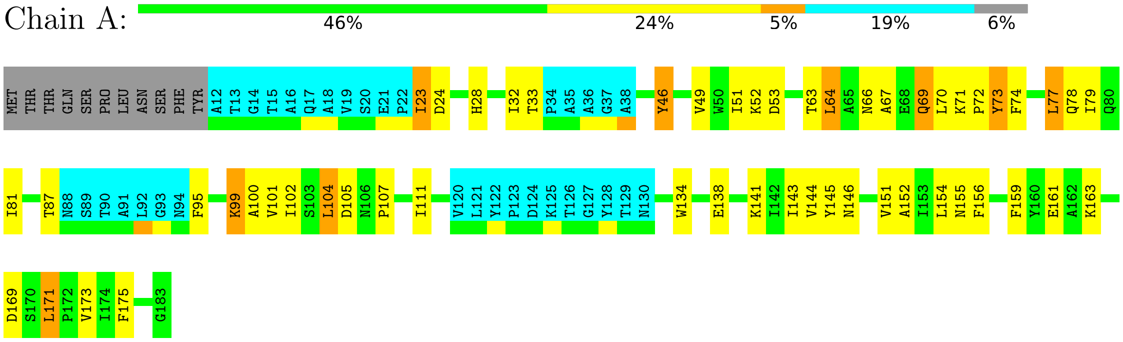
4.2.3 Score per residue for model 3

- Molecule 1: Cannulae forming protein



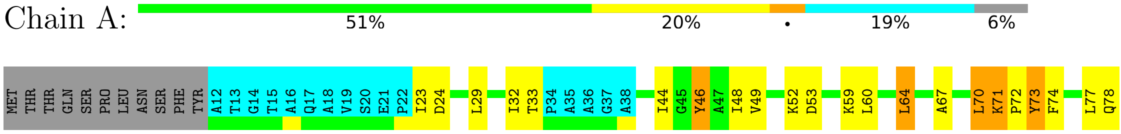
4.2.4 Score per residue for model 4 (medoid)

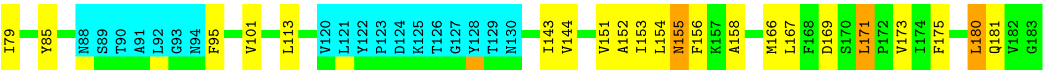
- Molecule 1: Cannulae forming protein



4.2.5 Score per residue for model 5

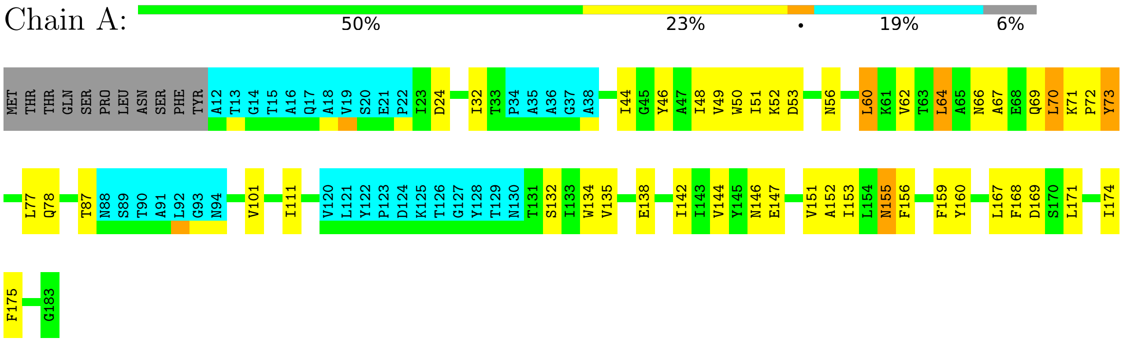
- Molecule 1: Cannulae forming protein





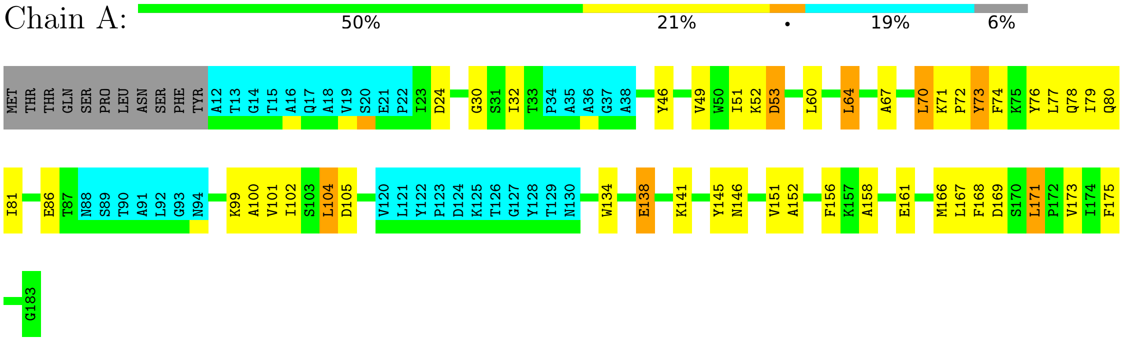
4.2.6 Score per residue for model 6

- Molecule 1: Cannulae forming protein



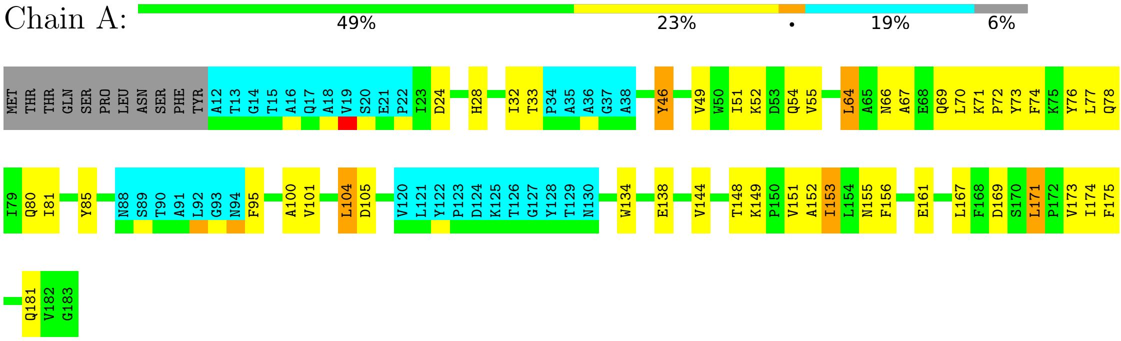
4.2.7 Score per residue for model 7

- Molecule 1: Cannulae forming protein



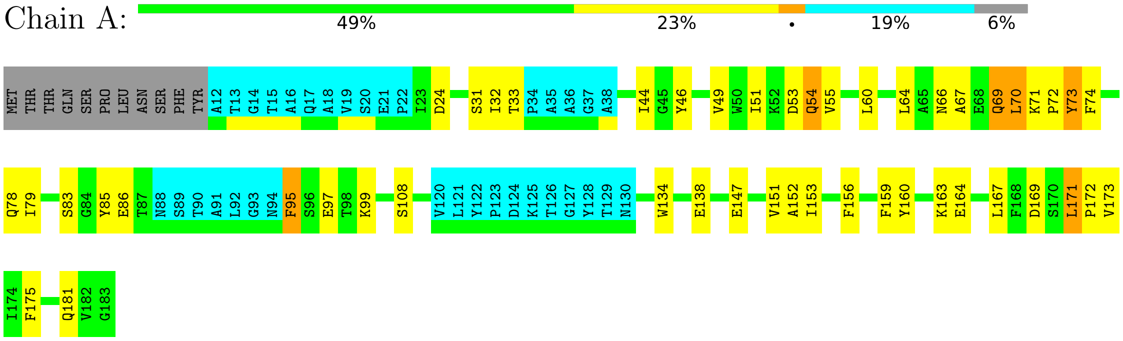
4.2.8 Score per residue for model 8

- Molecule 1: Cannulae forming protein



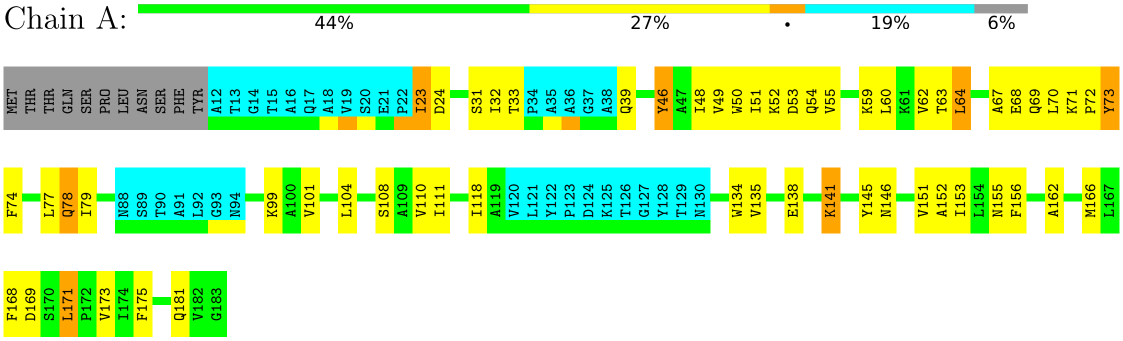
4.2.9 Score per residue for model 9

- Molecule 1: Cannulae forming protein



4.2.10 Score per residue for model 10

- Molecule 1: Cannulae forming protein



5 Refinement protocol and experimental data overview (i)

The models were refined using the following method: *molecular dynamics*.

Of the 1000 calculated structures, 10 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**
CNS	structure calculation	
CNS	refinement	

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	2170
Number of shifts mapped to atoms	2170
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	95%

6 Model quality ⓘ

6.1 Standard geometry ⓘ

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the (average) root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.50±0.01	0±0/1112 (0.0± 0.0%)	0.80±0.01	0±0/1515 (0.0± 0.0%)
All	All	0.50	1/11120 (0.0%)	0.80	0/15150 (0.0%)

All unique bond outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	138	GLU	N-CA	-5.53	1.41	1.46	7	1

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	1089	1097	1096	37±7
All	All	10890	10970	10960	366

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 17.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:64:LEU:HD23	1:A:67:ALA:HB2	1.04	1.22	2	10

Continued on next page...

Continued from previous page...

Atom-1	**Atom-2**	**Clash(Å)**	**Distance(Å)**	**Models**	
				Worst	Total
1:A:135:VAL:HG22	1:A:153:ILE:HG21	0.83	1.51	10	3
1:A:64:LEU:HD23	1:A:67:ALA:CB	0.80	2.06	2	10
1:A:51:ILE:HG23	1:A:55:VAL:HG13	0.80	1.53	9	5
1:A:163:LYS:O	1:A:166:MET:HE2	0.78	1.78	1	1
1:A:70:LEU:HD22	1:A:171:LEU:CD1	0.75	2.11	4	2
1:A:51:ILE:CG2	1:A:55:VAL:HG13	0.72	2.14	9	3
1:A:143:ILE:HG22	1:A:144:VAL:HG23	0.71	1.62	5	2
1:A:30:GLY:O	1:A:173:VAL:HG12	0.70	1.86	1	3
1:A:85:TYR:CE1	1:A:153:ILE:HD13	0.70	2.21	3	3
1:A:85:TYR:CD1	1:A:153:ILE:HD13	0.69	2.22	2	1
1:A:166:MET:HE1	1:A:168:PHE:CE2	0.69	2.23	10	1
1:A:49:VAL:HB	1:A:152:ALA:HB3	0.68	1.65	10	9
1:A:77:LEU:HD22	1:A:78:GLN:N	0.67	2.05	4	2
1:A:104:LEU:HD12	1:A:105:ASP:N	0.67	2.05	4	3
1:A:29:LEU:HD13	1:A:173:VAL:O	0.67	1.89	1	3
1:A:73:TYR:OH	1:A:171:LEU:HD11	0.65	1.92	10	1
1:A:32:ILE:HG21	1:A:74:PHE:CZ	0.64	2.27	5	8
1:A:85:TYR:CZ	1:A:153:ILE:HD13	0.64	2.27	3	2
1:A:153:ILE:HD12	1:A:153:ILE:N	0.64	2.08	2	3
1:A:70:LEU:HD22	1:A:171:LEU:HD11	0.63	1.71	4	2
1:A:180:LEU:HD22	1:A:181:GLN:N	0.63	2.07	5	1
1:A:64:LEU:CD2	1:A:67:ALA:HB2	0.62	2.19	4	5
1:A:73:TYR:CE1	1:A:74:PHE:CE2	0.62	2.88	8	1
1:A:166:MET:O	1:A:166:MET:HE3	0.61	1.95	1	1
1:A:69:GLN:NE2	1:A:70:LEU:HD23	0.61	2.11	4	1
1:A:49:VAL:O	1:A:151:VAL:HG23	0.61	1.95	3	8
1:A:63:THR:HG23	1:A:107:PRO:O	0.60	1.96	4	1
1:A:99:LYS:CE	1:A:154:LEU:HD22	0.60	2.26	4	1
1:A:100:ALA:HB3	1:A:111:ILE:CD1	0.59	2.28	3	2
1:A:64:LEU:HD11	1:A:173:VAL:CG2	0.59	2.28	4	5
1:A:64:LEU:HD12	1:A:175:PHE:CE2	0.58	2.33	8	5
1:A:64:LEU:HD23	1:A:67:ALA:CA	0.58	2.28	8	6
1:A:70:LEU:HD23	1:A:171:LEU:CD1	0.58	2.28	5	1
1:A:152:ALA:C	1:A:153:ILE:HD12	0.58	2.23	3	2
1:A:64:LEU:HD12	1:A:175:PHE:CE1	0.58	2.34	9	4
1:A:23:ILE:HD12	1:A:23:ILE:N	0.57	2.15	4	2
1:A:44:ILE:HD11	1:A:156:PHE:HB3	0.57	1.76	9	2
1:A:73:TYR:O	1:A:166:MET:HE2	0.57	1.99	10	1
1:A:74:PHE:CE2	1:A:171:LEU:HD23	0.57	2.35	1	1
1:A:51:ILE:HG22	1:A:53:ASP:O	0.57	1.99	4	3
1:A:73:TYR:CE2	1:A:171:LEU:HD11	0.57	2.35	8	1

Continued on next page...

Continued from previous page...

Atom-1	**Atom-2**	**Clash(Å)**	**Distance(Å)**	**Models**	
				Worst	Total
1:A:154:LEU:N	1:A:154:LEU:HD12	0.56	2.14	2	1
1:A:51:ILE:HD12	1:A:55:VAL:HG11	0.56	1.76	8	1
1:A:99:LYS:HE3	1:A:154:LEU:HD22	0.55	1.78	4	1
1:A:79:ILE:O	1:A:101:VAL:HG23	0.54	2.03	4	1
1:A:49:VAL:C	1:A:151:VAL:HG23	0.54	2.27	5	8
1:A:80:GLN:HG3	1:A:101:VAL:HG22	0.54	1.79	3	3
1:A:77:LEU:C	1:A:77:LEU:HD13	0.54	2.27	4	2
1:A:48:ILE:HG21	1:A:50:TRP:CZ2	0.54	2.38	6	2
1:A:73:TYR:CZ	1:A:171:LEU:HD11	0.54	2.38	9	2
1:A:73:TYR:N	1:A:73:TYR:CD1	0.54	2.76	10	1
1:A:51:ILE:HG23	1:A:55:VAL:CG1	0.53	2.31	9	2
1:A:48:ILE:HD13	1:A:153:ILE:HD12	0.53	1.79	5	1
1:A:77:LEU:HD23	1:A:78:GLN:N	0.53	2.19	3	5
1:A:70:LEU:O	1:A:73:TYR:CE2	0.53	2.62	3	5
1:A:51:ILE:CD1	1:A:118:ILE:HD12	0.53	2.34	10	1
1:A:73:TYR:CE1	1:A:74:PHE:CZ	0.52	2.97	8	1
1:A:70:LEU:O	1:A:73:TYR:CE1	0.52	2.63	5	5
1:A:44:ILE:C	1:A:44:ILE:HD12	0.52	2.30	3	1
1:A:132:SER:OG	1:A:142:ILE:HG23	0.52	2.04	3	2
1:A:73:TYR:OH	1:A:171:LEU:CD2	0.51	2.58	8	1
1:A:44:ILE:HD11	1:A:156:PHE:CB	0.51	2.36	3	1
1:A:73:TYR:CE2	1:A:74:PHE:CE1	0.51	2.99	10	1
1:A:69:GLN:HE21	1:A:70:LEU:HD23	0.51	1.64	4	2
1:A:63:THR:HG23	1:A:108:SER:HB3	0.50	1.82	10	1
1:A:73:TYR:CZ	1:A:74:PHE:CZ	0.50	3.00	8	1
1:A:81:ILE:HD12	1:A:100:ALA:O	0.50	2.06	7	4
1:A:156:PHE:N	1:A:156:PHE:CD1	0.49	2.79	7	6
1:A:156:PHE:CD2	1:A:156:PHE:N	0.49	2.80	9	3
1:A:70:LEU:HA	1:A:73:TYR:OH	0.49	2.07	10	1
1:A:167:LEU:C	1:A:167:LEU:HD23	0.49	2.33	3	4
1:A:180:LEU:C	1:A:180:LEU:HD23	0.49	2.32	2	1
1:A:64:LEU:CD1	1:A:175:PHE:CZ	0.48	2.96	8	9
1:A:153:ILE:N	1:A:153:ILE:CD1	0.48	2.76	3	2
1:A:167:LEU:C	1:A:167:LEU:HD13	0.48	2.33	8	1
1:A:59:LYS:CE	1:A:110:VAL:HG13	0.48	2.38	10	1
1:A:73:TYR:CE2	1:A:171:LEU:CD1	0.48	2.97	8	1
1:A:32:ILE:HG23	1:A:160:TYR:CZ	0.47	2.44	6	3
1:A:143:ILE:HD13	1:A:153:ILE:HG13	0.47	1.85	5	1
1:A:32:ILE:HG21	1:A:74:PHE:HZ	0.47	1.68	8	1
1:A:73:TYR:OH	1:A:74:PHE:CZ	0.47	2.67	8	1
1:A:64:LEU:CD1	1:A:175:PHE:CE2	0.47	2.98	1	5

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:73:TYR:OH	1:A:171:LEU:CD1	0.47	2.61	10	3
1:A:113:LEU:HD21	1:A:154:LEU:HD21	0.47	1.86	3	2
1:A:180:LEU:HD22	1:A:180:LEU:C	0.47	2.34	5	1
1:A:100:ALA:HB3	1:A:111:ILE:HD13	0.46	1.87	3	1
1:A:144:VAL:HG11	1:A:148:THR:OG1	0.46	2.11	8	1
1:A:79:ILE:C	1:A:101:VAL:HG23	0.46	2.36	5	1
1:A:62:VAL:CG1	1:A:175:PHE:CD2	0.46	2.99	6	1
1:A:85:TYR:CE1	1:A:153:ILE:CG1	0.46	2.99	9	1
1:A:46:TYR:CD1	1:A:46:TYR:N	0.46	2.83	1	3
1:A:85:TYR:OH	1:A:153:ILE:HD13	0.46	2.10	3	1
1:A:71:LYS:N	1:A:72:PRO:CD	0.46	2.79	7	8
1:A:74:PHE:CZ	1:A:171:LEU:HD23	0.46	2.46	1	1
1:A:64:LEU:HD21	1:A:70:LEU:HD12	0.46	1.88	8	1
1:A:64:LEU:CD1	1:A:175:PHE:CE1	0.45	2.99	2	5
1:A:46:TYR:N	1:A:46:TYR:CD2	0.45	2.85	3	2
1:A:95:PHE:CE2	1:A:97:GLU:CG	0.45	2.99	3	1
1:A:79:ILE:HD13	1:A:175:PHE:HZ	0.45	1.71	10	1
1:A:95:PHE:CD2	1:A:95:PHE:O	0.45	2.69	9	3
1:A:145:TYR:CE2	1:A:146:ASN:ND2	0.45	2.85	2	1
1:A:78:GLN:O	1:A:159:PHE:N	0.45	2.47	6	4
1:A:173:VAL:HG21	1:A:175:PHE:CE2	0.45	2.47	9	1
1:A:48:ILE:HG12	1:A:153:ILE:HD12	0.45	1.88	1	1
1:A:101:VAL:O	1:A:101:VAL:HG23	0.45	2.12	10	2
1:A:44:ILE:HG21	1:A:158:ALA:HB2	0.45	1.88	5	2
1:A:69:GLN:NE2	1:A:70:LEU:CD1	0.45	2.79	9	1
1:A:134:TRP:CD1	1:A:138:GLU:O	0.45	2.70	7	8
1:A:48:ILE:CD1	1:A:153:ILE:HD12	0.45	2.41	5	1
1:A:151:VAL:HG12	1:A:152:ALA:N	0.45	2.27	10	2
1:A:76:TYR:CE2	1:A:161:GLU:CB	0.45	3.00	8	1
1:A:167:LEU:HD13	1:A:168:PHE:N	0.45	2.25	7	1
1:A:66:ASN:ND2	1:A:172:PRO:O	0.45	2.50	9	1
1:A:180:LEU:H	1:A:180:LEU:HD13	0.45	1.71	5	1
1:A:167:LEU:HD13	1:A:167:LEU:C	0.44	2.37	7	1
1:A:145:TYR:CD1	1:A:146:ASN:N	0.44	2.85	10	1
1:A:81:ILE:HG22	1:A:99:LYS:NZ	0.44	2.27	4	1
1:A:99:LYS:HD2	1:A:111:ILE:HG23	0.44	1.90	2	1
1:A:112:VAL:HG13	1:A:112:VAL:O	0.44	2.13	2	1
1:A:70:LEU:HD23	1:A:73:TYR:OH	0.44	2.13	10	1
1:A:74:PHE:CE1	1:A:171:LEU:HD23	0.44	2.47	9	1
1:A:71:LYS:N	1:A:72:PRO:HD2	0.43	2.28	8	2
1:A:44:ILE:HD11	1:A:79:ILE:HG23	0.43	1.89	9	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:59:LYS:HE2	1:A:110:VAL:HG13	0.43	1.90	10	1
1:A:70:LEU:HD22	1:A:171:LEU:HD21	0.43	1.90	8	1
1:A:69:GLN:NE2	1:A:70:LEU:HD12	0.43	2.28	9	1
1:A:113:LEU:HD23	1:A:152:ALA:HB1	0.43	1.90	1	1
1:A:76:TYR:CE1	1:A:161:GLU:CB	0.43	3.01	7	1
1:A:70:LEU:HD23	1:A:171:LEU:HD11	0.43	1.90	10	1
1:A:151:VAL:CG1	1:A:152:ALA:N	0.43	2.82	6	2
1:A:28:HIS:CB	1:A:46:TYR:CD2	0.43	3.02	4	2
1:A:66:ASN:OD1	1:A:69:GLN:HB3	0.42	2.13	4	1
1:A:71:LYS:HG2	1:A:104:LEU:HD22	0.42	1.91	10	1
1:A:70:LEU:HD13	1:A:77:LEU:CD1	0.42	2.44	7	1
1:A:66:ASN:CB	1:A:174:ILE:HB	0.42	2.44	8	1
1:A:155:ASN:C	1:A:156:PHE:CD1	0.42	2.98	6	3
1:A:62:VAL:HG12	1:A:175:PHE:CD2	0.42	2.49	6	1
1:A:64:LEU:HD12	1:A:175:PHE:CD2	0.42	2.48	8	1
1:A:73:TYR:OH	1:A:171:LEU:HD21	0.42	2.14	8	1
1:A:79:ILE:HG21	1:A:175:PHE:CZ	0.42	2.50	10	1
1:A:66:ASN:HB2	1:A:174:ILE:HB	0.42	1.91	8	2
1:A:151:VAL:HG11	1:A:153:ILE:HD11	0.42	1.92	6	1
1:A:95:PHE:C	1:A:95:PHE:CD1	0.42	2.97	8	1
1:A:60:LEU:CD2	1:A:111:ILE:HD11	0.42	2.45	6	1
1:A:53:ASP:O	1:A:54:GLN:O	0.42	2.38	9	1
1:A:73:TYR:HH	1:A:171:LEU:HD11	0.42	1.72	10	1
1:A:95:PHE:CD2	1:A:95:PHE:C	0.41	2.98	2	3
1:A:74:PHE:CE2	1:A:171:LEU:CD2	0.41	3.03	1	1
1:A:44:ILE:CG2	1:A:158:ALA:HB2	0.41	2.45	3	1
1:A:145:TYR:CD1	1:A:146:ASN:OD1	0.41	2.74	4	1
1:A:166:MET:CE	1:A:168:PHE:CE2	0.41	2.99	10	1
1:A:48:ILE:CG2	1:A:151:VAL:HG21	0.41	2.45	2	2
1:A:145:TYR:CE2	1:A:146:ASN:OD1	0.41	2.74	1	1
1:A:179:VAL:O	1:A:179:VAL:HG13	0.41	2.16	1	1
1:A:78:GLN:O	1:A:158:ALA:HA	0.41	2.16	7	2
1:A:70:LEU:O	1:A:73:TYR:CD2	0.41	2.74	3	1
1:A:144:VAL:CG1	1:A:147:GLU:CG	0.41	2.99	6	1
1:A:162:ALA:HB1	1:A:166:MET:CE	0.41	2.46	10	1
1:A:48:ILE:CG2	1:A:151:VAL:CG2	0.41	2.99	2	1
1:A:95:PHE:O	1:A:95:PHE:CD2	0.41	2.74	4	1
1:A:60:LEU:C	1:A:60:LEU:HD12	0.41	2.41	5	1
1:A:95:PHE:CD1	1:A:95:PHE:O	0.41	2.74	1	2
1:A:70:LEU:HD11	1:A:171:LEU:HB3	0.41	1.92	9	1
1:A:62:VAL:CG2	1:A:111:ILE:CD1	0.41	2.99	10	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:95:PHE:CD1	1:A:95:PHE:C	0.40	2.99	1	1
1:A:23:ILE:HG22	1:A:24:ASP:N	0.40	2.30	2	1
1:A:95:PHE:CD1	1:A:97:GLU:OE2	0.40	2.74	2	1
1:A:70:LEU:CD1	1:A:77:LEU:CD1	0.40	2.99	7	1
1:A:46:TYR:CE2	1:A:141:LYS:HD3	0.40	2.52	10	1
1:A:70:LEU:HA	1:A:73:TYR:CE1	0.40	2.51	1	1
1:A:166:MET:O	1:A:166:MET:CE	0.40	2.66	1	1
1:A:167:LEU:HD23	1:A:168:PHE:N	0.40	2.31	6	1
1:A:145:TYR:CE2	1:A:146:ASN:CG	0.40	3.00	7	1
1:A:76:TYR:CE2	1:A:161:GLU:CD	0.40	3.00	1	1
1:A:78:GLN:CB	1:A:159:PHE:HB2	0.40	2.46	4	1
1:A:70:LEU:CD2	1:A:171:LEU:CD1	0.40	3.00	5	1
1:A:79:ILE:O	1:A:102:ILE:N	0.40	2.54	7	1
1:A:64:LEU:HD23	1:A:67:ALA:HA	0.40	1.92	8	1

6.3 Torsion angles ⓘ

6.3.1 Protein backbone ⓘ

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	137/183 (75%)	134±1 (97±1%)	2±1 (2±1%)	1±1 (1±0%)	20	70
All	All	1370/1830 (75%)	1335 (97%)	25 (2%)	10 (1%)	20	70

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

Mol	Chain	Res	Type	Models (Total)
1	A	54	GLN	6
1	A	169	ASP	1
1	A	53	ASP	1
1	A	146	ASN	1
1	A	39	GLN	1

6.3.2 Protein sidechains ⓘ

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	122/156 (78%)	106±2 (87±2%)	16±2 (13±2%)	6 47
All	All	1220/1560 (78%)	1061 (87%)	159 (13%)	6 47

All 45 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	24	ASP	10
1	A	46	TYR	10
1	A	169	ASP	10
1	A	171	LEU	10
1	A	64	LEU	9
1	A	73	TYR	9
1	A	33	THR	8
1	A	155	ASN	7
1	A	52	LYS	7
1	A	69	GLN	6
1	A	60	LEU	5
1	A	70	LEU	5
1	A	181	GLN	4
1	A	141	LYS	4
1	A	23	ILE	4
1	A	99	LYS	4
1	A	31	SER	3
1	A	163	LYS	3
1	A	166	MET	3
1	A	153	ILE	3
1	A	104	LEU	3
1	A	102	ILE	2
1	A	149	LYS	2
1	A	85	TYR	2
1	A	95	PHE	2
1	A	68	GLU	2
1	A	161	GLU	2
1	A	53	ASP	2
1	A	86	GLU	2

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Models (Total)
1	A	44	ILE	1
1	A	168	PHE	1
1	A	41	SER	1
1	A	75	LYS	1
1	A	115	LYS	1
1	A	77	LEU	1
1	A	59	LYS	1
1	A	71	LYS	1
1	A	180	LEU	1
1	A	56	ASN	1
1	A	83	SER	1
1	A	97	GLU	1
1	A	108	SER	1
1	A	147	GLU	1
1	A	164	GLU	1
1	A	78	GLN	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 ⓘ

There are no chain breaks in this entry.

7 Chemical shift validation ⓘ

The completeness of assignment taking into account all chemical shift lists is 95% for the well-defined parts and 95% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shifts_1*

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	2170
Number of shifts mapped to atoms	2170
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	3

7.1.2 Chemical shift referencing ⓘ

The following table shows the suggested chemical shift referencing corrections.

Nucleus	**# values**	**Correction ± precision, *ppm***	**Suggested action**
$^{13}C_{\alpha}$	172	0.11 ± 0.14	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	161	-0.06 ± 0.14	None needed (< 0.5 ppm)
$^{13}C'$	154	0.43 ± 0.13	None needed (< 0.5 ppm)
^{15}N	169	0.32 ± 0.24	None needed (< 0.5 ppm)

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 95%, i.e. 1806 atoms were assigned a chemical shift out of a possible 1894. 0 out of 25 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	**^{1}H**	**^{13}C**	**^{15}N**
Backbone	677/685 (99%)	277/277 (100%)	268/276 (97%)	132/132 (100%)
Sidechain	989/1053 (94%)	675/690 (98%)	302/339 (89%)	12/24 (50%)

Continued on next page...

Continued from previous page...

	Total	^{1}**H**	^{13}**C**	^{15}**N**
Aromatic	140/156 (90%)	73/75 (97%)	65/77 (84%)	2/4 (50%)
Overall	1806/1894 (95%)	1025/1042 (98%)	635/692 (92%)	146/160 (91%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 95%, i.e. 2162 atoms were assigned a chemical shift out of a possible 2278. 0 out of 29 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}**H**	^{13}**C**	^{15}**N**
Backbone	827/853 (97%)	339/346 (98%)	326/344 (95%)	162/163 (99%)
Sidechain	1179/1251 (94%)	806/821 (98%)	357/401 (89%)	16/29 (55%)
Aromatic	156/174 (90%)	81/83 (98%)	73/87 (84%)	2/4 (50%)
Overall	2162/2278 (95%)	1226/1250 (98%)	756/832 (91%)	180/196 (92%)

7.1.4 Statistically unusual chemical shifts ⓘ

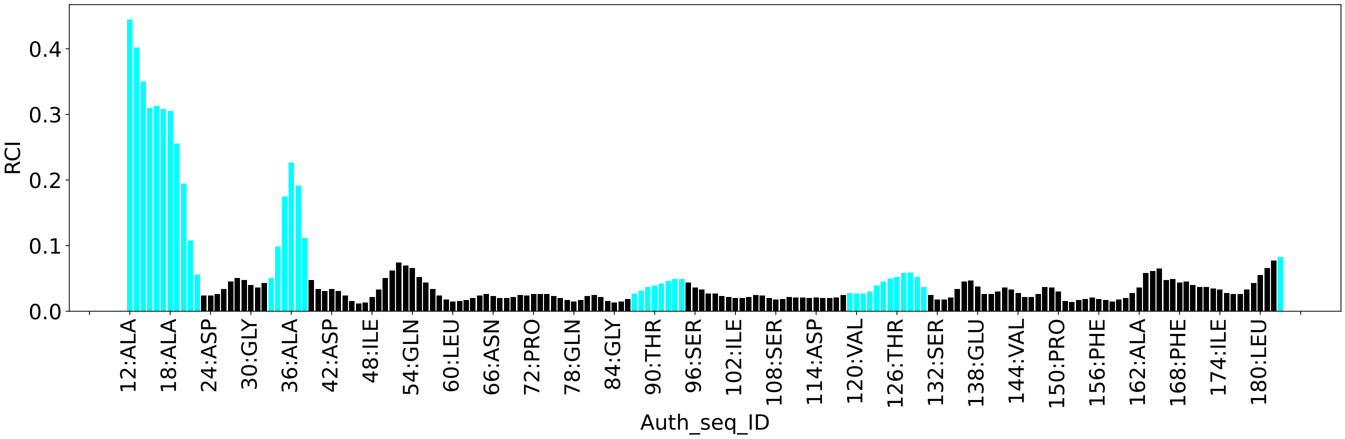
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	**Chain**	**Res**	**Type**	**Atom**	**Shift,** ***ppm***	**Expected range,** ***ppm***	**Z-score**
1	A	87	THR	HG1	5.41	0.08 – 2.19	20.2
1	A	86	GLU	HB2	0.59	1.00 – 3.05	-7.0
1	A	146	ASN	HB3	1.09	1.12 – 4.38	-5.1

7.1.5 Random Coil Index (RCI) plots ⓘ

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:


RCI
0.0
0.1
0.2
0.3
0.4
12:ALA
18:ALA
24:ASP
30:GLY
36:ALA
42:ASP
48:ILE
54:GLN
60:LEU
66:ASN
72:PRO
78:GLN
84:GLY
90:THR
96:SER
102:ILE
108:SER
114:ASP
120:VAL
126:THR
132:SER
138:GLU
144:VAL
150:PRO
156:PHE
162:ALA
168:PHE
174:ILE
180:LEU
Auth_seq_ID

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	3318
Intra-residue (|i-j|=0)	914
Sequential (|i-j|=1)	736
Medium range (|i-j|>1 and |i-j|<5)	394
Long range (|i-j|≥5)	1220
Inter-chain	0
Hydrogen bond restraints	54
Disulfide bond restraints	0
Total dihedral-angle restraints	284
Number of unmapped restraints	0
Number of restraints per residue	19.7
Number of long range restraints per residue[1]	7.0

[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)	98.3	0.2
0.2-0.5 (Medium)	124.9	0.5
>0.5 (Large)	57.4	1.18

8.2.2 Average number of dihedral-angle violations per model ⓘ

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)	67.0	9.99
10.0-20.0 (Medium)	1.0	17.55
>20.0 (Large)	4.1	43.26

9 Distance violation analysis ⓘ

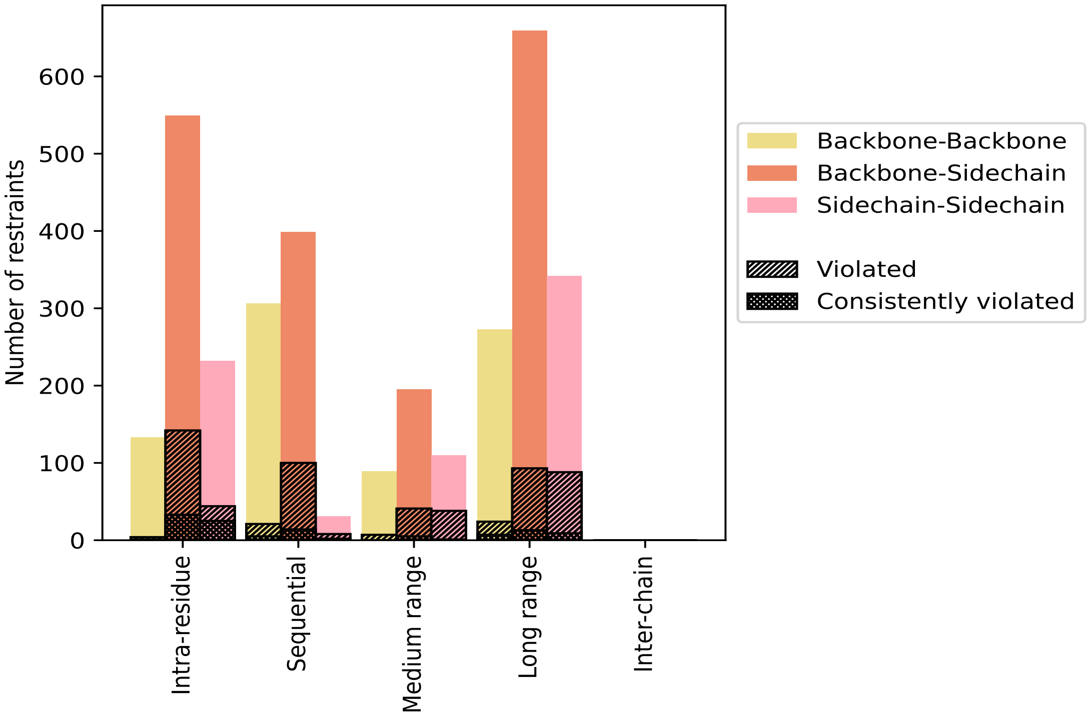
9.1 Summary of distance violations ⓘ

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)	914	27.5	190	20.8	5.7	59	6.5	1.8
Backbone-Backbone	133	4.0	4	3.0	0.1	1	0.8	0.0
Backbone-Sidechain	549	16.5	142	25.9	4.3	33	6.0	1.0
Sidechain-Sidechain	232	7.0	44	19.0	1.3	25	10.8	0.8
Sequential (|i-j|=1)	736	22.2	129	17.5	3.9	21	2.9	0.6
Backbone-Backbone	306	9.2	21	6.9	0.6	5	1.6	0.2
Backbone-Sidechain	399	12.0	100	25.1	3.0	14	3.5	0.4
Sidechain-Sidechain	31	0.9	8	25.8	0.2	2	6.5	0.1
Medium range (|i-j|>1 & |i-j|<5)	394	11.9	86	21.8	2.6	6	1.5	0.2
Backbone-Backbone	89	2.7	7	7.9	0.2	0	0.0	0.0
Backbone-Sidechain	195	5.9	41	21.0	1.2	5	2.6	0.2
Sidechain-Sidechain	110	3.3	38	34.5	1.1	1	0.9	0.0
Long range (|i-j|≥5)	1220	36.8	204	16.7	6.1	29	2.4	0.9
Backbone-Backbone	273	8.2	24	8.8	0.7	7	2.6	0.2
Backbone-Sidechain	605	18.2	92	15.2	2.8	13	2.1	0.4
Sidechain-Sidechain	342	10.3	88	25.7	2.7	9	2.6	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	54	1.6	1	1.9	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	3318	100.0	610	18.4	18.4	115	3.5	3.5
Backbone-Backbone	801	24.1	56	7.0	1.7	13	1.6	0.4
Backbone-Sidechain	1802	54.3	376	20.9	11.3	65	3.6	2.0
Sidechain-Sidechain	715	21.5	178	24.9	5.4	37	5.2	1.1

[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

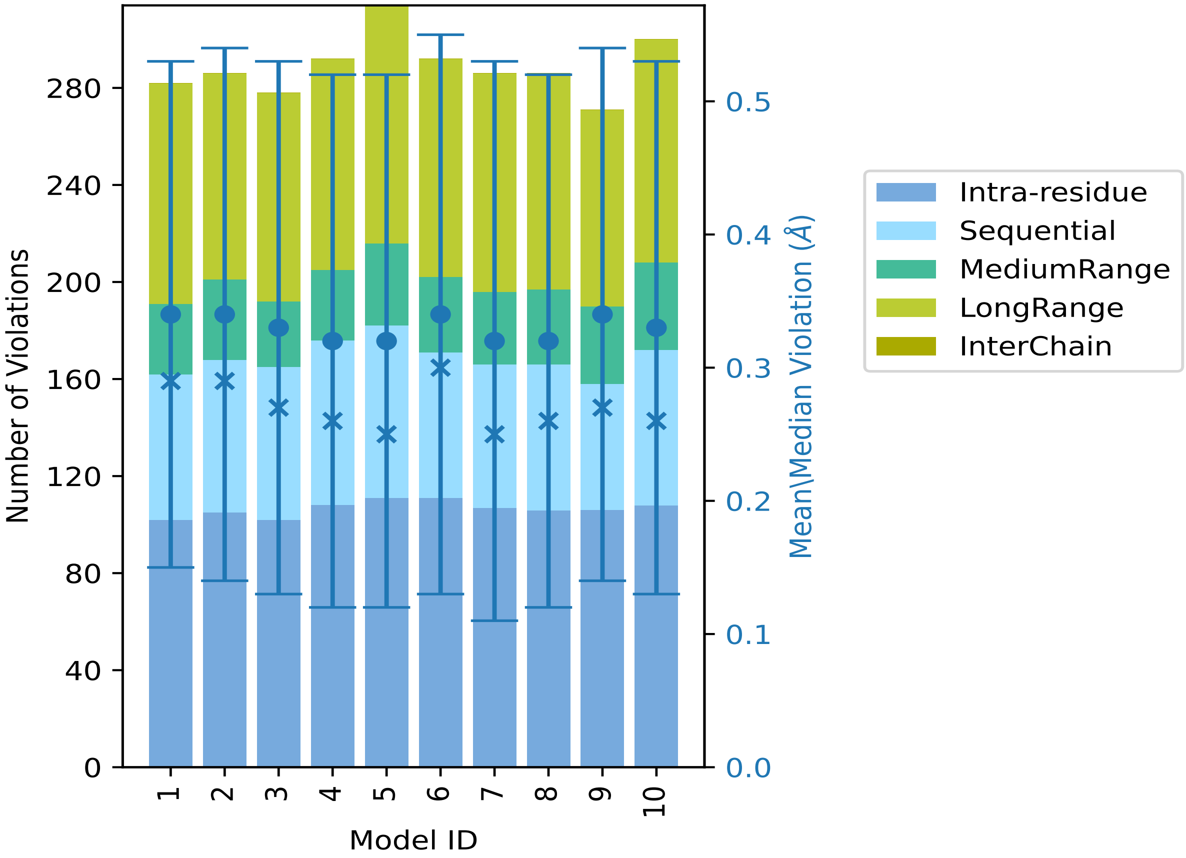
9.2 Distance violation statistics for each model ⓘ

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	102	60	29	91	0	282	0.34	1.07	0.19	0.29
2	105	63	33	85	0	286	0.34	1.01	0.2	0.29
3	102	63	27	86	0	278	0.33	0.98	0.2	0.27
4	108	68	29	87	0	292	0.32	1.08	0.2	0.26
5	111	71	34	98	0	314	0.32	1.11	0.2	0.25
6	111	60	31	90	0	292	0.34	1.18	0.21	0.3
7	107	59	30	90	0	286	0.32	1.07	0.21	0.25
8	106	60	31	89	0	286	0.32	1.06	0.2	0.26
9	106	52	32	81	0	271	0.34	1.08	0.2	0.27
10	108	64	36	92	0	300	0.33	0.93	0.2	0.26

[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, 2655(IR:724, SQ:607, MR:308, LR:1016, 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]	%
48	19	33	56	0	156	1	10.0
11	31	15	33	0	90	2	20.0
15	8	6	21	0	50	3	30.0

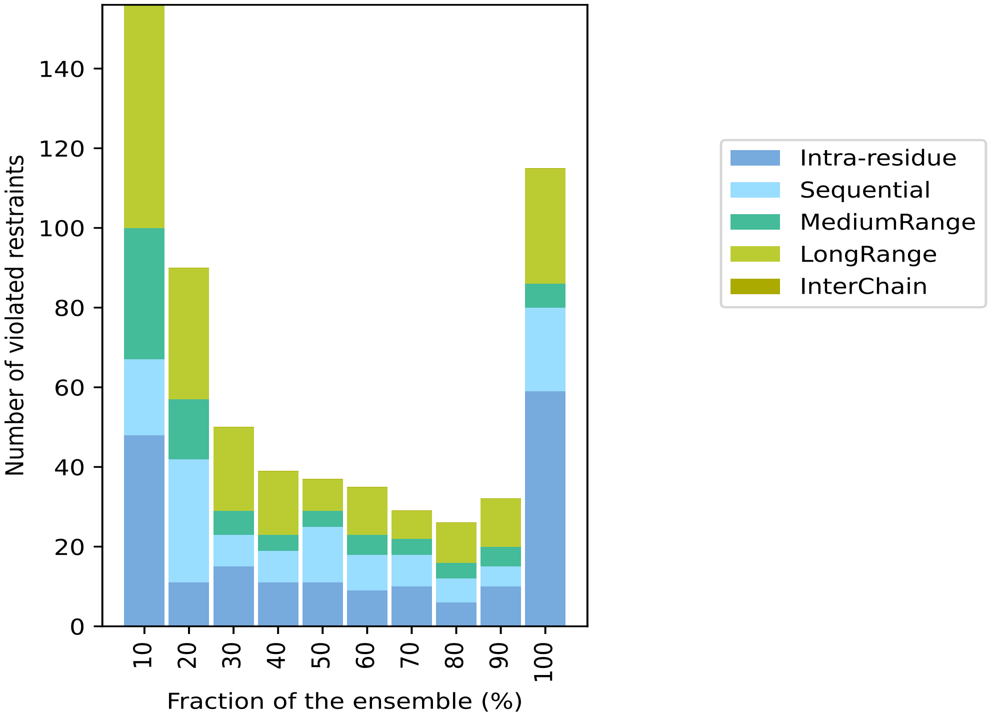
Continued on next page...

Continued from previous page...

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
11	8	4	16	0	39	4	40.0
11	14	4	8	0	37	5	50.0
9	9	5	12	0	35	6	60.0
10	8	4	7	0	29	7	70.0
6	6	4	10	0	26	8	80.0
10	5	5	12	0	32	9	90.0
59	21	6	29	0	115	10	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

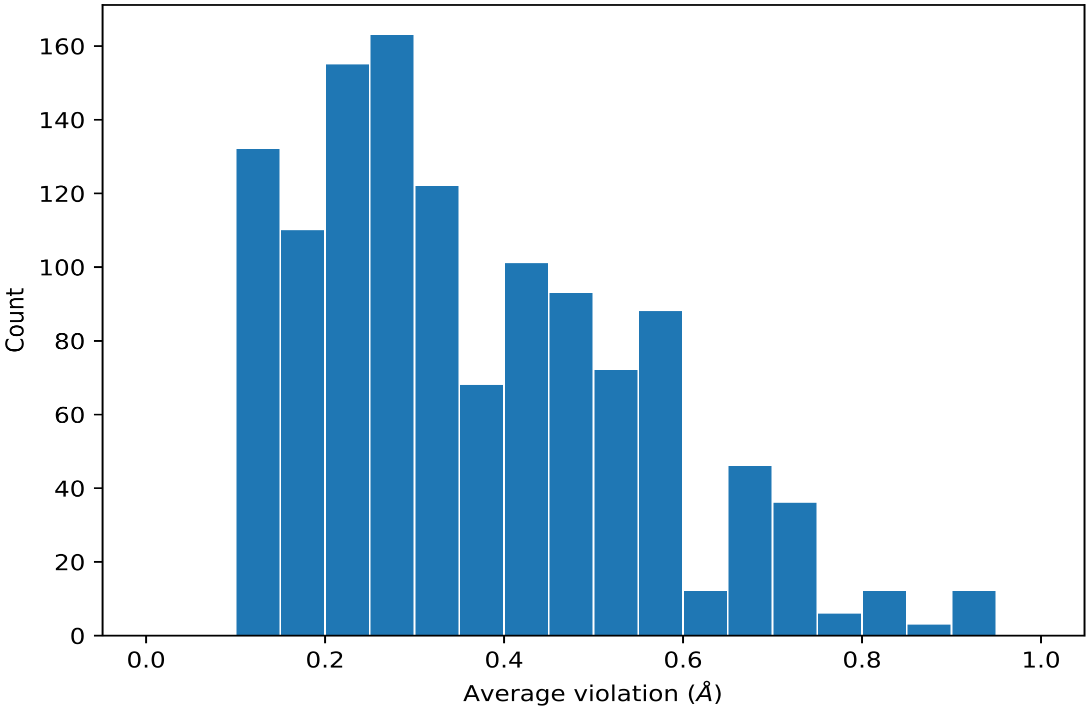
9.3.1 Bar graph : Distance violation statistics for the ensemble ⓘ



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 ⓘ

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)
(1,10)	1:19:A:VAL:HG11	1:19:A:VAL:H	10	0.93	0.14	0.94
(1,10)	1:19:A:VAL:HG12	1:19:A:VAL:H	10	0.93	0.14	0.94
(1,10)	1:19:A:VAL:HG13	1:19:A:VAL:H	10	0.93	0.14	0.94
(1,10)	1:19:A:VAL:HG21	1:19:A:VAL:H	10	0.93	0.14	0.94
(1,10)	1:19:A:VAL:HG22	1:19:A:VAL:H	10	0.93	0.14	0.94
(1,10)	1:19:A:VAL:HG23	1:19:A:VAL:H	10	0.93	0.14	0.94
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB1	10	0.9	0.27	1.02
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB2	10	0.9	0.27	1.02
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB3	10	0.9	0.27	1.02
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB1	10	0.9	0.27	1.02
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB2	10	0.9	0.27	1.02
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB3	10	0.9	0.27	1.02
(2,469)	1:79:A:ILE:HG21	1:157:A:LYS:H	10	0.88	0.02	0.88
(2,469)	1:79:A:ILE:HG22	1:157:A:LYS:H	10	0.88	0.02	0.88
(2,469)	1:79:A:ILE:HG23	1:157:A:LYS:H	10	0.88	0.02	0.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models^1	Mean (Å)	SD^1 (Å)	Median (Å)
(2,466)	1:79:A:ILE:HG21	1:102:A:ILE:H	10	0.82	0.03	0.82
(2,466)	1:79:A:ILE:HG22	1:102:A:ILE:H	10	0.82	0.03	0.82
(2,466)	1:79:A:ILE:HG23	1:102:A:ILE:H	10	0.82	0.03	0.82
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD21	10	0.81	0.18	0.88
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD22	10	0.81	0.18	0.88
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD21	10	0.81	0.18	0.88
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD22	10	0.81	0.18	0.88
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD21	10	0.81	0.18	0.88
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD22	10	0.81	0.18	0.88
(2,6)	1:16:A:ALA:HB1	1:17:A:GLN:H	10	0.8	0.01	0.8
(2,6)	1:16:A:ALA:HB2	1:17:A:GLN:H	10	0.8	0.01	0.8
(2,6)	1:16:A:ALA:HB3	1:17:A:GLN:H	10	0.8	0.01	0.8
(1,288)	1:36:A:ALA:HB1	1:37:A:GLY:H	10	0.77	0.15	0.8
(1,288)	1:36:A:ALA:HB2	1:37:A:GLY:H	10	0.77	0.15	0.8
(1,288)	1:36:A:ALA:HB3	1:37:A:GLY:H	10	0.77	0.15	0.8
(2,719)	1:142:A:ILE:HG21	1:145:A:TYR:HA	10	0.74	0.11	0.78
(2,719)	1:142:A:ILE:HG22	1:145:A:TYR:HA	10	0.74	0.11	0.78
(2,719)	1:142:A:ILE:HG23	1:145:A:TYR:HA	10	0.74	0.11	0.78
(1,261)	1:33:A:THR:HG21	1:34:A:PRO:HD2	10	0.73	0.04	0.74
(1,261)	1:33:A:THR:HG22	1:34:A:PRO:HD2	10	0.73	0.04	0.74
(1,261)	1:33:A:THR:HG23	1:34:A:PRO:HD2	10	0.73	0.04	0.74
(2,467)	1:79:A:ILE:HG21	1:156:A:PHE:HA	10	0.72	0.08	0.76
(2,467)	1:79:A:ILE:HG22	1:156:A:PHE:HA	10	0.72	0.08	0.76
(2,467)	1:79:A:ILE:HG23	1:156:A:PHE:HA	10	0.72	0.08	0.76
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD11	10	0.71	0.07	0.69
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD12	10	0.71	0.07	0.69
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD13	10	0.71	0.07	0.69
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD11	10	0.71	0.07	0.69
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD12	10	0.71	0.07	0.69
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD13	10	0.71	0.07	0.69
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD11	10	0.71	0.07	0.69
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD12	10	0.71	0.07	0.69
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD13	10	0.71	0.07	0.69
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD21	10	0.69	0.09	0.67
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD22	10	0.69	0.09	0.67
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD21	10	0.69	0.09	0.67
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD22	10	0.69	0.09	0.67
(1,6)	1:18:A:ALA:HB1	1:19:A:VAL:H	10	0.66	0.09	0.7
(1,6)	1:18:A:ALA:HB2	1:19:A:VAL:H	10	0.66	0.09	0.7
(1,6)	1:18:A:ALA:HB3	1:19:A:VAL:H	10	0.66	0.09	0.7
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB2	10	0.66	0.03	0.68
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB3	10	0.66	0.03	0.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB2	10	0.66	0.03	0.68
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB3	10	0.66	0.03	0.68
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB2	10	0.66	0.03	0.68
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB3	10	0.66	0.03	0.68
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG21	10	0.65	0.03	0.66
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG22	10	0.65	0.03	0.66
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG23	10	0.65	0.03	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG21	10	0.65	0.03	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG22	10	0.65	0.03	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG23	10	0.65	0.03	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG21	10	0.65	0.03	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG22	10	0.65	0.03	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG23	10	0.65	0.03	0.66
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG21	10	0.59	0.01	0.59
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG22	10	0.59	0.01	0.59
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG23	10	0.59	0.01	0.59
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB1	10	0.58	0.19	0.64
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB2	10	0.58	0.19	0.64
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB3	10	0.58	0.19	0.64
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB1	10	0.58	0.19	0.64
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB2	10	0.58	0.19	0.64
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB3	10	0.58	0.19	0.64
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB1	10	0.58	0.19	0.64
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB2	10	0.58	0.19	0.64
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB3	10	0.58	0.19	0.64
(1,2032)	1:143:A:ILE:HG21	1:144:A:VAL:H	10	0.57	0.14	0.62
(1,2032)	1:143:A:ILE:HG22	1:144:A:VAL:H	10	0.57	0.14	0.62
(1,2032)	1:143:A:ILE:HG23	1:144:A:VAL:H	10	0.57	0.14	0.62
(2,490)	1:81:A:ILE:HD11	1:101:A:VAL:H	10	0.57	0.13	0.55
(2,490)	1:81:A:ILE:HD12	1:101:A:VAL:H	10	0.57	0.13	0.55
(2,490)	1:81:A:ILE:HD13	1:101:A:VAL:H	10	0.57	0.13	0.55
(1,1758)	1:119:A:ALA:HB1	1:151:A:VAL:H	10	0.56	0.05	0.59
(1,1758)	1:119:A:ALA:HB2	1:151:A:VAL:H	10	0.56	0.05	0.59
(1,1758)	1:119:A:ALA:HB3	1:151:A:VAL:H	10	0.56	0.05	0.59
(2,656)	1:125:A:LYS:HB2	1:126:A:THR:H	10	0.56	0.04	0.56
(2,656)	1:125:A:LYS:HB3	1:126:A:THR:H	10	0.56	0.04	0.56
(2,473)	1:80:A:GLN:HB2	1:101:A:VAL:HA	10	0.55	0.02	0.56
(2,473)	1:80:A:GLN:HB3	1:101:A:VAL:HA	10	0.55	0.02	0.56
(2,4)	1:15:A:THR:HG21	1:16:A:ALA:H	10	0.55	0.2	0.54
(2,4)	1:15:A:THR:HG22	1:16:A:ALA:H	10	0.55	0.2	0.54
(2,4)	1:15:A:THR:HG23	1:16:A:ALA:H	10	0.55	0.2	0.54
(2,535)	1:85:A:TYR:HE1	1:153:A:ILE:H	10	0.54	0.02	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models^1	Mean (Å)	SD^1 (Å)	Median (Å)
(2,535)	1:85:A:TYR:HE2	1:153:A:ILE:H	10	0.54	0.02	0.55
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG21	10	0.54	0.02	0.54
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG22	10	0.54	0.02	0.54
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG23	10	0.54	0.02	0.54
(1,287)	1:36:A:ALA:HB1	1:36:A:ALA:H	10	0.53	0.15	0.55
(1,287)	1:36:A:ALA:HB2	1:36:A:ALA:H	10	0.53	0.15	0.55
(1,287)	1:36:A:ALA:HB3	1:36:A:ALA:H	10	0.53	0.15	0.55
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD21	10	0.52	0.11	0.57
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD22	10	0.52	0.11	0.57
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG21	10	0.51	0.0	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG22	10	0.51	0.0	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG23	10	0.51	0.0	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG21	10	0.51	0.0	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG22	10	0.51	0.0	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG23	10	0.51	0.0	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG21	10	0.51	0.0	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG22	10	0.51	0.0	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG23	10	0.51	0.0	0.51
(1,1213)	1:81:A:ILE:HD11	1:81:A:ILE:H	10	0.5	0.01	0.51
(1,1213)	1:81:A:ILE:HD12	1:81:A:ILE:H	10	0.5	0.01	0.51
(1,1213)	1:81:A:ILE:HD13	1:81:A:ILE:H	10	0.5	0.01	0.51
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE1	10	0.49	0.08	0.52
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE2	10	0.49	0.08	0.52
(2,16)	1:17:A:GLN:HG2	1:18:A:ALA:H	10	0.49	0.03	0.5
(2,16)	1:17:A:GLN:HG3	1:18:A:ALA:H	10	0.49	0.03	0.5
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE1	10	0.48	0.1	0.52
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE2	10	0.48	0.1	0.52
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	10	0.48	0.16	0.55
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	10	0.48	0.16	0.55
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB1	10	0.47	0.01	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB2	10	0.47	0.01	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB3	10	0.47	0.01	0.47
(1,580)	1:51:A:ILE:HG21	1:53:A:ASP:H	10	0.46	0.03	0.47
(1,580)	1:51:A:ILE:HG22	1:53:A:ASP:H	10	0.46	0.03	0.47
(1,580)	1:51:A:ILE:HG23	1:53:A:ASP:H	10	0.46	0.03	0.47
(1,581)	1:51:A:ILE:HG21	1:53:A:ASP:H	10	0.46	0.03	0.47
(1,581)	1:51:A:ILE:HG22	1:53:A:ASP:H	10	0.46	0.03	0.47
(1,581)	1:51:A:ILE:HG23	1:53:A:ASP:H	10	0.46	0.03	0.47
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG21	10	0.46	0.0	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG22	10	0.46	0.0	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG23	10	0.46	0.0	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG21	10	0.46	0.0	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG22	10	0.46	0.0	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG23	10	0.46	0.0	0.46
(1,1630)	1:110:A:VAL:HG21	1:110:A:VAL:H	10	0.45	0.02	0.46
(1,1630)	1:110:A:VAL:HG22	1:110:A:VAL:H	10	0.45	0.02	0.46
(1,1630)	1:110:A:VAL:HG23	1:110:A:VAL:H	10	0.45	0.02	0.46
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG21	10	0.45	0.12	0.52
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG22	10	0.45	0.12	0.52
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG23	10	0.45	0.12	0.52
(1,1228)	1:81:A:ILE:HG21	1:82:A:THR:HA	10	0.44	0.03	0.44
(1,1228)	1:81:A:ILE:HG22	1:82:A:THR:HA	10	0.44	0.03	0.44
(1,1228)	1:81:A:ILE:HG23	1:82:A:THR:HA	10	0.44	0.03	0.44
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD21	10	0.43	0.01	0.42
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD22	10	0.43	0.01	0.42
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD23	10	0.43	0.01	0.42
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD21	10	0.43	0.01	0.42
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD22	10	0.43	0.01	0.42
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD23	10	0.43	0.01	0.42
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD21	10	0.43	0.01	0.42
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD22	10	0.43	0.01	0.42
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD23	10	0.43	0.01	0.42
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE1	10	0.42	0.11	0.47
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE2	10	0.42	0.11	0.47
(1,2463)	1:182:A:VAL:HG21	1:182:A:VAL:H	10	0.41	0.12	0.46
(1,2463)	1:182:A:VAL:HG22	1:182:A:VAL:H	10	0.41	0.12	0.46
(1,2463)	1:182:A:VAL:HG23	1:182:A:VAL:H	10	0.41	0.12	0.46
(1,1270)	1:82:A:THR:HG21	1:83:A:SER:HA	10	0.4	0.02	0.41
(1,1270)	1:82:A:THR:HG22	1:83:A:SER:HA	10	0.4	0.02	0.41
(1,1270)	1:82:A:THR:HG23	1:83:A:SER:HA	10	0.4	0.02	0.41
(1,1451)	1:91:A:ALA:HB1	1:91:A:ALA:H	10	0.38	0.01	0.38
(1,1451)	1:91:A:ALA:HB2	1:91:A:ALA:H	10	0.38	0.01	0.38
(1,1451)	1:91:A:ALA:HB3	1:91:A:ALA:H	10	0.38	0.01	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG21	10	0.38	0.01	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG22	10	0.38	0.01	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG23	10	0.38	0.01	0.38
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD21	10	0.38	0.05	0.37
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD22	10	0.38	0.05	0.37
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD23	10	0.38	0.05	0.37
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD21	10	0.38	0.05	0.37
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD22	10	0.38	0.05	0.37
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD23	10	0.38	0.05	0.37
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD21	10	0.38	0.05	0.37
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD22	10	0.38	0.05	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD23	10	0.38	0.05	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB1	10	0.38	0.02	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB2	10	0.38	0.02	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB3	10	0.38	0.02	0.37
(2,754)	1:167:A:LEU:HD21	1:167:A:LEU:H	10	0.37	0.16	0.4
(2,754)	1:167:A:LEU:HD22	1:167:A:LEU:H	10	0.37	0.16	0.4
(2,754)	1:167:A:LEU:HD23	1:167:A:LEU:H	10	0.37	0.16	0.4
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD21	10	0.37	0.16	0.4
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD22	10	0.37	0.16	0.4
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD23	10	0.37	0.16	0.4
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG21	10	0.37	0.0	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG22	10	0.37	0.0	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG23	10	0.37	0.0	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG21	10	0.37	0.01	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG22	10	0.37	0.01	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG23	10	0.37	0.01	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG21	10	0.36	0.01	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG22	10	0.36	0.01	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG23	10	0.36	0.01	0.36
(1,3)	1:16:A:ALA:HB1	1:16:A:ALA:H	10	0.36	0.07	0.33
(1,3)	1:16:A:ALA:HB2	1:16:A:ALA:H	10	0.36	0.07	0.33
(1,3)	1:16:A:ALA:HB3	1:16:A:ALA:H	10	0.36	0.07	0.33
(1,1941)	1:135:A:VAL:HG21	1:135:A:VAL:H	10	0.36	0.04	0.37
(1,1941)	1:135:A:VAL:HG22	1:135:A:VAL:H	10	0.36	0.04	0.37
(1,1941)	1:135:A:VAL:HG23	1:135:A:VAL:H	10	0.36	0.04	0.37
(1,2038)	1:144:A:VAL:HG21	1:144:A:VAL:H	10	0.35	0.06	0.34
(1,2038)	1:144:A:VAL:HG22	1:144:A:VAL:H	10	0.35	0.06	0.34
(1,2038)	1:144:A:VAL:HG23	1:144:A:VAL:H	10	0.35	0.06	0.34
(1,1236)	1:81:A:ILE:HG21	1:154:A:LEU:HB3	10	0.34	0.06	0.34
(1,1236)	1:81:A:ILE:HG22	1:154:A:LEU:HB3	10	0.34	0.06	0.34
(1,1236)	1:81:A:ILE:HG23	1:154:A:LEU:HB3	10	0.34	0.06	0.34
(1,123)	1:27:A:SER:HB2	1:27:A:SER:H	10	0.34	0.03	0.34
(1,123)	1:27:A:SER:HB3	1:27:A:SER:H	10	0.34	0.03	0.34
(1,2015)	1:142:A:ILE:HG21	1:144:A:VAL:H	10	0.34	0.14	0.38
(1,2015)	1:142:A:ILE:HG22	1:144:A:VAL:H	10	0.34	0.14	0.38
(1,2015)	1:142:A:ILE:HG23	1:144:A:VAL:H	10	0.34	0.14	0.38
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG21	10	0.32	0.07	0.34
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG22	10	0.32	0.07	0.34
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG23	10	0.32	0.07	0.34
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG21	10	0.32	0.02	0.32
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG22	10	0.32	0.02	0.32
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG23	10	0.32	0.02	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models^1	Mean (Å)	SD^1 (Å)	Median (Å)
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG21	10	0.32	0.02	0.32
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG22	10	0.32	0.02	0.32
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG23	10	0.32	0.02	0.32
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG21	10	0.32	0.02	0.32
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG22	10	0.32	0.02	0.32
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG23	10	0.32	0.02	0.32
(1,1162)	1:79:A:ILE:HG13	1:80:A:GLN:H	10	0.32	0.04	0.32
(1,389)	1:44:A:ILE:HG21	1:44:A:ILE:H	10	0.31	0.1	0.32
(1,389)	1:44:A:ILE:HG22	1:44:A:ILE:H	10	0.31	0.1	0.32
(1,389)	1:44:A:ILE:HG23	1:44:A:ILE:H	10	0.31	0.1	0.32
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG21	10	0.31	0.01	0.31
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG22	10	0.31	0.01	0.31
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG23	10	0.31	0.01	0.31
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG21	10	0.31	0.01	0.31
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG22	10	0.31	0.01	0.31
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG23	10	0.31	0.01	0.31
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG21	10	0.31	0.01	0.31
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG22	10	0.31	0.01	0.31
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG23	10	0.31	0.01	0.31
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD11	10	0.3	0.07	0.32
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD12	10	0.3	0.07	0.32
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD13	10	0.3	0.07	0.32
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD11	10	0.3	0.07	0.32
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD12	10	0.3	0.07	0.32
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD13	10	0.3	0.07	0.32
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD11	10	0.3	0.07	0.32
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD12	10	0.3	0.07	0.32
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD13	10	0.3	0.07	0.32
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG21	10	0.3	0.12	0.37
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG22	10	0.3	0.12	0.37
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG23	10	0.3	0.12	0.37
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG11	10	0.3	0.03	0.29
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG12	10	0.3	0.03	0.29
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG13	10	0.3	0.03	0.29
(2,753)	1:167:A:LEU:HD11	1:167:A:LEU:H	10	0.3	0.17	0.29
(2,753)	1:167:A:LEU:HD12	1:167:A:LEU:H	10	0.3	0.17	0.29
(2,753)	1:167:A:LEU:HD13	1:167:A:LEU:H	10	0.3	0.17	0.29
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD11	10	0.3	0.17	0.29
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD12	10	0.3	0.17	0.29
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD13	10	0.3	0.17	0.29
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG21	10	0.28	0.01	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG22	10	0.28	0.01	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models^1	Mean (Å)	SD^1 (Å)	Median (Å)
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG23	10	0.28	0.01	0.28
(1,1343)	1:85:A:TYR:HE1	1:152:A:ALA:HA	10	0.26	0.12	0.27
(1,1343)	1:85:A:TYR:HE2	1:152:A:ALA:HA	10	0.26	0.12	0.27
(1,2177)	1:157:A:LYS:H	1:158:A:ALA:HA	10	0.26	0.01	0.26
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG21	10	0.26	0.04	0.25
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG22	10	0.26	0.04	0.25
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG23	10	0.26	0.04	0.25
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG21	10	0.26	0.02	0.26
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG22	10	0.26	0.02	0.26
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG23	10	0.26	0.02	0.26
(1,1180)	1:80:A:GLN:HA	1:101:A:VAL:H	10	0.25	0.04	0.26
(1,2066)	1:148:A:THR:HA	1:149:A:LYS:H	10	0.25	0.01	0.25
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG11	10	0.24	0.02	0.25
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG12	10	0.24	0.02	0.25
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG13	10	0.24	0.02	0.25
(1,1173)	1:79:A:ILE:H	1:158:A:ALA:HA	10	0.24	0.03	0.26
(1,1013)	1:74:A:PHE:HB2	1:163:A:LYS:H	10	0.24	0.03	0.24
(2,628)	1:122:A:TYR:HB3	1:123:A:PRO:HD2	10	0.23	0.07	0.24
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG21	10	0.23	0.04	0.22
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG22	10	0.23	0.04	0.22
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG23	10	0.23	0.04	0.22
(1,109)	1:26:A:GLU:H	1:47:A:ALA:HA	10	0.22	0.02	0.22
(1,627)	1:56:A:ASN:HB2	1:56:A:ASN:HD21	10	0.22	0.02	0.23
(1,627)	1:56:A:ASN:HB3	1:56:A:ASN:HD21	10	0.22	0.02	0.23
(1,1114)	1:78:A:GLN:HA	1:159:A:PHE:HB3	10	0.22	0.02	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG21	10	0.22	0.02	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG22	10	0.22	0.02	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG23	10	0.22	0.02	0.22
(1,1165)	1:79:A:ILE:HG12	1:79:A:ILE:H	10	0.22	0.02	0.21
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD21	10	0.21	0.04	0.22
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD22	10	0.21	0.04	0.22
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD23	10	0.21	0.04	0.22
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD21	10	0.21	0.04	0.22
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD22	10	0.21	0.04	0.22
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD23	10	0.21	0.04	0.22
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD21	10	0.21	0.04	0.22
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD22	10	0.21	0.04	0.22
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD23	10	0.21	0.04	0.22
(1,1502)	1:97:A:GLU:H	1:98:A:THR:HA	10	0.2	0.01	0.19
(1,1785)	1:123:A:PRO:HD3	1:123:A:PRO:HD2	10	0.2	0.0	0.2
(3,4)	1:57:A:ASP:HA	1:114:A:ASP:HA	10	0.2	0.06	0.18
(3,12)	1:181:A:GLN:HA	1:181:A:GLN:HB3	10	0.2	0.02	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models^1	Mean (Å)	SD^1 (Å)	Median (Å)
(1,1116)	1:78:A:GLN:HB3	1:78:A:GLN:H	10	0.19	0.01	0.19
(1,684)	1:60:A:LEU:H	1:61:A:LYS:H	10	0.19	0.03	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG11	10	0.18	0.01	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG12	10	0.18	0.01	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG13	10	0.18	0.01	0.18
(1,623)	1:55:A:VAL:H	1:115:A:LYS:HA	10	0.18	0.04	0.18
(3,13)	1:181:A:GLN:HA	1:181:A:GLN:HB2	10	0.18	0.02	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG21	10	0.18	0.01	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG22	10	0.18	0.01	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG23	10	0.18	0.01	0.18
(1,1892)	1:134:A:TRP:HB3	1:135:A:VAL:H	10	0.18	0.02	0.18
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG21	10	0.18	0.01	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG22	10	0.18	0.01	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG23	10	0.18	0.01	0.17
(1,553)	1:50:A:TRP:HB2	1:52:A:LYS:H	10	0.18	0.03	0.18
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG21	10	0.17	0.05	0.16
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG22	10	0.17	0.05	0.16
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG23	10	0.17	0.05	0.16
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG21	10	0.17	0.01	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG22	10	0.17	0.01	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG23	10	0.17	0.01	0.17
(1,92)	1:25:A:VAL:H	1:50:A:TRP:HE1	10	0.17	0.03	0.18
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG21	10	0.16	0.0	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG22	10	0.16	0.0	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG23	10	0.16	0.0	0.16
(1,632)	1:56:A:ASN:HD21	1:56:A:ASN:HD22	10	0.16	0.0	0.16
(1,1006)	1:74:A:PHE:HA	1:163:A:LYS:H	10	0.15	0.03	0.15
(1,1425)	1:88:A:ASN:HD21	1:88:A:ASN:HD22	10	0.15	0.0	0.15
(1,2207)	1:159:A:PHE:HB2	1:159:A:PHE:H	10	0.15	0.02	0.16
(1,51)	1:24:A:ASP:HB2	1:25:A:VAL:H	10	0.15	0.02	0.15
(1,2139)	1:155:A:ASN:H	1:156:A:PHE:HZ	10	0.14	0.02	0.15
(1,1207)	1:81:A:ILE:HA	1:82:A:THR:H	10	0.13	0.01	0.13
(1,1250)	1:81:A:ILE:H	1:156:A:PHE:HA	10	0.13	0.02	0.12
(1,291)	1:37:A:GLY:HA2	1:37:A:GLY:HA3	10	0.12	0.0	0.12
(1,1826)	1:132:A:SER:HA	1:133:A:ILE:HB	10	0.12	0.01	0.12
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE1	9	0.73	0.01	0.73
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE2	9	0.73	0.01	0.73
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE1	9	0.73	0.01	0.73
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE2	9	0.73	0.01	0.73
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE1	9	0.73	0.01	0.73
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE2	9	0.73	0.01	0.73
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD11	9	0.7	0.02	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD12	9	0.7	0.02	0.7
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD13	9	0.7	0.02	0.7
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG21	9	0.67	0.11	0.73
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG22	9	0.67	0.11	0.73
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG23	9	0.67	0.11	0.73
(1,1243)	1:81:A:ILE:HG21	1:156:A:PHE:HZ	9	0.66	0.02	0.66
(1,1243)	1:81:A:ILE:HG22	1:156:A:PHE:HZ	9	0.66	0.02	0.66
(1,1243)	1:81:A:ILE:HG23	1:156:A:PHE:HZ	9	0.66	0.02	0.66
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB1	9	0.62	0.06	0.63
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB2	9	0.62	0.06	0.63
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB3	9	0.62	0.06	0.63
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB1	9	0.62	0.06	0.63
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB2	9	0.62	0.06	0.63
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB3	9	0.62	0.06	0.63
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB1	9	0.62	0.06	0.63
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB2	9	0.62	0.06	0.63
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB3	9	0.62	0.06	0.63
(2,389)	1:70:A:LEU:HD21	1:172:A:PRO:HD2	9	0.6	0.21	0.64
(2,389)	1:70:A:LEU:HD22	1:172:A:PRO:HD2	9	0.6	0.21	0.64
(2,389)	1:70:A:LEU:HD23	1:172:A:PRO:HD2	9	0.6	0.21	0.64
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD1	9	0.6	0.25	0.72
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD2	9	0.6	0.25	0.72
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD1	9	0.6	0.25	0.72
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD2	9	0.6	0.25	0.72
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE1	9	0.57	0.11	0.64
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE2	9	0.57	0.11	0.64
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE1	9	0.57	0.11	0.64
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE2	9	0.57	0.11	0.64
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE1	9	0.57	0.11	0.64
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE2	9	0.57	0.11	0.64
(1,2324)	1:171:A:LEU:HD21	1:171:A:LEU:H	9	0.57	0.06	0.57
(1,2324)	1:171:A:LEU:HD22	1:171:A:LEU:H	9	0.57	0.06	0.57
(1,2324)	1:171:A:LEU:HD23	1:171:A:LEU:H	9	0.57	0.06	0.57
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE1	9	0.54	0.05	0.54
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE2	9	0.54	0.05	0.54
(1,1777)	1:121:A:LEU:HD21	1:121:A:LEU:H	9	0.49	0.17	0.62
(1,1777)	1:121:A:LEU:HD22	1:121:A:LEU:H	9	0.49	0.17	0.62
(1,1777)	1:121:A:LEU:HD23	1:121:A:LEU:H	9	0.49	0.17	0.62
(1,296)	1:38:A:ALA:HB1	1:39:A:GLN:H	9	0.48	0.11	0.53
(1,296)	1:38:A:ALA:HB2	1:39:A:GLN:H	9	0.48	0.11	0.53
(1,296)	1:38:A:ALA:HB3	1:39:A:GLN:H	9	0.48	0.11	0.53
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG21	9	0.48	0.1	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG22	9	0.48	0.1	0.51
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG23	9	0.48	0.1	0.51
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD11	9	0.45	0.0	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD12	9	0.45	0.0	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD13	9	0.45	0.0	0.45
(2,523)	1:85:A:TYR:HD1	1:134:A:TRP:H	9	0.45	0.09	0.49
(2,523)	1:85:A:TYR:HD2	1:134:A:TRP:H	9	0.45	0.09	0.49
(1,1546)	1:102:A:ILE:HG21	1:108:A:SER:HA	9	0.4	0.1	0.44
(1,1546)	1:102:A:ILE:HG22	1:108:A:SER:HA	9	0.4	0.1	0.44
(1,1546)	1:102:A:ILE:HG23	1:108:A:SER:HA	9	0.4	0.1	0.44
(2,194)	1:38:A:ALA:HB1	1:39:A:GLN:HE21	9	0.4	0.19	0.39
(2,194)	1:38:A:ALA:HB2	1:39:A:GLN:HE21	9	0.4	0.19	0.39
(2,194)	1:38:A:ALA:HB3	1:39:A:GLN:HE21	9	0.4	0.19	0.39
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD21	9	0.4	0.03	0.41
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD22	9	0.4	0.03	0.41
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD23	9	0.4	0.03	0.41
(1,1510)	1:98:A:THR:HG21	1:100:A:ALA:H	9	0.4	0.13	0.47
(1,1510)	1:98:A:THR:HG22	1:100:A:ALA:H	9	0.4	0.13	0.47
(1,1510)	1:98:A:THR:HG23	1:100:A:ALA:H	9	0.4	0.13	0.47
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD21	9	0.38	0.05	0.39
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD22	9	0.38	0.05	0.39
(1,495)	1:48:A:ILE:HG21	1:50:A:TRP:HE1	9	0.35	0.1	0.32
(1,495)	1:48:A:ILE:HG22	1:50:A:TRP:HE1	9	0.35	0.1	0.32
(1,495)	1:48:A:ILE:HG23	1:50:A:TRP:HE1	9	0.35	0.1	0.32
(1,286)	1:36:A:ALA:HA	1:37:A:GLY:H	9	0.34	0.04	0.32
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	9	0.34	0.03	0.33
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	9	0.34	0.03	0.33
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	9	0.34	0.03	0.33
(1,2246)	1:162:A:ALA:HB1	1:168:A:PHE:HZ	9	0.34	0.11	0.32
(1,2246)	1:162:A:ALA:HB2	1:168:A:PHE:HZ	9	0.34	0.11	0.32
(1,2246)	1:162:A:ALA:HB3	1:168:A:PHE:HZ	9	0.34	0.11	0.32
(1,837)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	9	0.27	0.1	0.24
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG21	9	0.25	0.01	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG22	9	0.25	0.01	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG23	9	0.25	0.01	0.25
(1,1399)	1:87:A:THR:HG21	1:87:A:THR:H	9	0.22	0.08	0.23
(1,1399)	1:87:A:THR:HG22	1:87:A:THR:H	9	0.22	0.08	0.23
(1,1399)	1:87:A:THR:HG23	1:87:A:THR:H	9	0.22	0.08	0.23
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG21	9	0.17	0.03	0.17
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG22	9	0.17	0.03	0.17
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG23	9	0.17	0.03	0.17
(1,2270)	1:166:A:MET:HA	1:167:A:LEU:H	9	0.15	0.02	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,230)	1:32:A:ILE:HG12	1:32:A:ILE:H	9	0.14	0.01	0.13
(1,1677)	1:114:A:ASP:HA	1:118:A:ILE:H	9	0.12	0.02	0.11
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG11	9	0.12	0.02	0.12
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG12	9	0.12	0.02	0.12
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG13	9	0.12	0.02	0.12
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD1	8	0.58	0.2	0.58
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD2	8	0.58	0.2	0.58
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD1	8	0.58	0.2	0.58
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD2	8	0.58	0.2	0.58
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE1	8	0.57	0.29	0.64
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE2	8	0.57	0.29	0.64
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE1	8	0.57	0.29	0.64
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE2	8	0.57	0.29	0.64
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD1	8	0.53	0.19	0.48
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD2	8	0.53	0.19	0.48
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD1	8	0.53	0.19	0.48
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD2	8	0.53	0.19	0.48
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD1	8	0.53	0.19	0.48
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD2	8	0.53	0.19	0.48
(2,614)	1:118:A:ILE:HG21	1:151:A:VAL:HA	8	0.46	0.16	0.46
(2,614)	1:118:A:ILE:HG22	1:151:A:VAL:HA	8	0.46	0.16	0.46
(2,614)	1:118:A:ILE:HG23	1:151:A:VAL:HA	8	0.46	0.16	0.46
(1,2083)	1:151:A:VAL:HG21	1:152:A:ALA:H	8	0.45	0.01	0.45
(1,2083)	1:151:A:VAL:HG22	1:152:A:ALA:H	8	0.45	0.01	0.45
(1,2083)	1:151:A:VAL:HG23	1:152:A:ALA:H	8	0.45	0.01	0.45
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE1	8	0.44	0.11	0.42
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE2	8	0.44	0.11	0.42
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE1	8	0.44	0.11	0.42
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE2	8	0.44	0.11	0.42
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE1	8	0.44	0.11	0.42
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE2	8	0.44	0.11	0.42
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE1	8	0.43	0.2	0.44
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE2	8	0.43	0.2	0.44
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE1	8	0.43	0.2	0.44
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE2	8	0.43	0.2	0.44
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE1	8	0.43	0.2	0.44
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE2	8	0.43	0.2	0.44
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG2	8	0.34	0.15	0.38
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG3	8	0.34	0.15	0.38
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG2	8	0.31	0.12	0.34
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG3	8	0.31	0.12	0.34
(1,2286)	1:168:A:PHE:HD1	1:168:A:PHE:H	8	0.31	0.04	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2286)	1:168:A:PHE:HD2	1:168:A:PHE:H	8	0.31	0.04	0.32
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD1	8	0.29	0.15	0.26
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD2	8	0.29	0.15	0.26
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD1	8	0.29	0.15	0.26
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD2	8	0.29	0.15	0.26
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD1	8	0.29	0.15	0.26
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD2	8	0.29	0.15	0.26
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD21	8	0.29	0.12	0.3
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD22	8	0.29	0.12	0.3
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD21	8	0.29	0.12	0.3
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD22	8	0.29	0.12	0.3
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD21	8	0.29	0.12	0.3
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD22	8	0.29	0.12	0.3
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE1	8	0.25	0.06	0.26
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE2	8	0.25	0.06	0.26
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG21	8	0.25	0.03	0.26
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG22	8	0.25	0.03	0.26
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG23	8	0.25	0.03	0.26
(1,543)	1:50:A:TRP:HA	1:151:A:VAL:HA	8	0.21	0.02	0.2
(1,2370)	1:174:A:ILE:HG21	1:175:A:PHE:HA	8	0.2	0.04	0.2
(1,2370)	1:174:A:ILE:HG22	1:175:A:PHE:HA	8	0.2	0.04	0.2
(1,2370)	1:174:A:ILE:HG23	1:175:A:PHE:HA	8	0.2	0.04	0.2
(1,268)	1:34:A:PRO:HD3	1:35:A:ALA:H	8	0.2	0.06	0.18
(1,2349)	1:173:A:VAL:HB	1:174:A:ILE:H	8	0.2	0.03	0.2
(1,2079)	1:151:A:VAL:HG11	1:151:A:VAL:H	8	0.16	0.03	0.16
(1,2079)	1:151:A:VAL:HG12	1:151:A:VAL:H	8	0.16	0.03	0.16
(1,2079)	1:151:A:VAL:HG13	1:151:A:VAL:H	8	0.16	0.03	0.16
(1,1075)	1:76:A:TYR:H	1:162:A:ALA:HA	8	0.14	0.03	0.14
(1,2089)	1:152:A:ALA:HB1	1:152:A:ALA:H	8	0.14	0.06	0.11
(1,2089)	1:152:A:ALA:HB2	1:152:A:ALA:H	8	0.14	0.06	0.11
(1,2089)	1:152:A:ALA:HB3	1:152:A:ALA:H	8	0.14	0.06	0.11
(1,1894)	1:134:A:TRP:HB3	1:142:A:ILE:HA	8	0.13	0.02	0.13
(1,975)	1:73:A:TYR:HA	1:73:A:TYR:HB3	8	0.12	0.01	0.12
(1,1532)	1:102:A:ILE:HB	1:102:A:ILE:H	8	0.12	0.02	0.12
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG11	8	0.11	0.0	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG12	8	0.11	0.0	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG13	8	0.11	0.0	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG11	8	0.11	0.0	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG12	8	0.11	0.0	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG13	8	0.11	0.0	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG11	8	0.11	0.0	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG12	8	0.11	0.0	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG13	8	0.11	0.0	0.11
(1,2183)	1:158:A:ALA:HA	1:159:A:PHE:HB3	8	0.11	0.01	0.11
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD11	7	0.53	0.01	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD12	7	0.53	0.01	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD13	7	0.53	0.01	0.53
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG11	7	0.5	0.1	0.53
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG12	7	0.5	0.1	0.53
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG13	7	0.5	0.1	0.53
(1,2131)	1:155:A:ASN:HD21	1:155:A:ASN:HA	7	0.49	0.01	0.49
(1,2131)	1:155:A:ASN:HD22	1:155:A:ASN:HA	7	0.49	0.01	0.49
(1,1088)	1:77:A:LEU:HD11	1:78:A:GLN:H	7	0.49	0.07	0.51
(1,1088)	1:77:A:LEU:HD12	1:78:A:GLN:H	7	0.49	0.07	0.51
(1,1088)	1:77:A:LEU:HD13	1:78:A:GLN:H	7	0.49	0.07	0.51
(1,1088)	1:77:A:LEU:HD21	1:78:A:GLN:H	7	0.49	0.07	0.51
(1,1088)	1:77:A:LEU:HD22	1:78:A:GLN:H	7	0.49	0.07	0.51
(1,1088)	1:77:A:LEU:HD23	1:78:A:GLN:H	7	0.49	0.07	0.51
(1,2449)	1:179:A:VAL:HG21	1:179:A:VAL:H	7	0.46	0.03	0.45
(1,2449)	1:179:A:VAL:HG22	1:179:A:VAL:H	7	0.46	0.03	0.45
(1,2449)	1:179:A:VAL:HG23	1:179:A:VAL:H	7	0.46	0.03	0.45
(1,1475)	1:95:A:PHE:HB2	1:96:A:SER:H	7	0.4	0.03	0.4
(1,1475)	1:95:A:PHE:HB3	1:96:A:SER:H	7	0.4	0.03	0.4
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD21	7	0.4	0.08	0.45
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD22	7	0.4	0.08	0.45
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD23	7	0.4	0.08	0.45
(1,1556)	1:103:A:SER:HA	1:104:A:LEU:HB3	7	0.33	0.02	0.33
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG21	7	0.32	0.05	0.31
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG22	7	0.32	0.05	0.31
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG23	7	0.32	0.05	0.31
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG21	7	0.32	0.05	0.31
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG22	7	0.32	0.05	0.31
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG23	7	0.32	0.05	0.31
(1,2327)	1:171:A:LEU:HG	1:171:A:LEU:H	7	0.31	0.05	0.32
(1,1818)	1:131:A:THR:HG21	1:131:A:THR:H	7	0.31	0.18	0.23
(1,1818)	1:131:A:THR:HG22	1:131:A:THR:H	7	0.31	0.18	0.23
(1,1818)	1:131:A:THR:HG23	1:131:A:THR:H	7	0.31	0.18	0.23
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE1	7	0.31	0.14	0.31
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE2	7	0.31	0.14	0.31
(2,632)	1:122:A:TYR:HD1	1:125:A:LYS:H	7	0.3	0.17	0.24
(2,632)	1:122:A:TYR:HD2	1:125:A:LYS:H	7	0.3	0.17	0.24
(1,1338)	1:85:A:TYR:HD1	1:86:A:GLU:H	7	0.3	0.09	0.3
(1,1338)	1:85:A:TYR:HD2	1:86:A:GLU:H	7	0.3	0.09	0.3
(1,1706)	1:115:A:LYS:HG2	1:115:A:LYS:H	7	0.28	0.06	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1706)	1:115:A:LYS:HG3	1:115:A:LYS:H	7	0.28	0.06	0.28
(1,1767)	1:120:A:VAL:HG11	1:121:A:LEU:H	7	0.27	0.03	0.27
(1,1767)	1:120:A:VAL:HG12	1:121:A:LEU:H	7	0.27	0.03	0.27
(1,1767)	1:120:A:VAL:HG13	1:121:A:LEU:H	7	0.27	0.03	0.27
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE1	7	0.24	0.1	0.22
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE2	7	0.24	0.1	0.22
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD11	7	0.24	0.02	0.24
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD12	7	0.24	0.02	0.24
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD13	7	0.24	0.02	0.24
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD11	7	0.24	0.02	0.23
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD12	7	0.24	0.02	0.23
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD13	7	0.24	0.02	0.23
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD11	7	0.24	0.02	0.23
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD12	7	0.24	0.02	0.23
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD13	7	0.24	0.02	0.23
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD11	7	0.24	0.02	0.23
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD12	7	0.24	0.02	0.23
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD13	7	0.24	0.02	0.23
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD21	7	0.23	0.06	0.23
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD22	7	0.23	0.06	0.23
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD23	7	0.23	0.06	0.23
(2,178)	1:36:A:ALA:H	1:37:A:GLY:H	7	0.21	0.08	0.21
(1,1505)	1:98:A:THR:HA	1:100:A:ALA:H	7	0.16	0.03	0.16
(1,914)	1:69:A:GLN:HG3	1:69:A:GLN:H	7	0.16	0.04	0.16
(1,857)	1:66:A:ASN:HD22	1:174:A:ILE:H	7	0.15	0.03	0.16
(1,1371)	1:86:A:GLU:H	1:134:A:TRP:HE1	7	0.14	0.03	0.13
(1,1923)	1:134:A:TRP:HE1	1:139:A:PRO:HD2	7	0.13	0.05	0.11
(1,548)	1:50:A:TRP:HB3	1:50:A:TRP:H	7	0.12	0.01	0.12
(1,1127)	1:78:A:GLN:H	1:104:A:LEU:H	7	0.12	0.02	0.13
(1,1618)	1:108:A:SER:H	1:109:A:ALA:H	7	0.1	0.0	0.1
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD11	6	0.75	0.03	0.75
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD12	6	0.75	0.03	0.75
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD13	6	0.75	0.03	0.75
(1,2462)	1:182:A:VAL:HG11	1:183:A:GLY:H	6	0.49	0.01	0.49
(1,2462)	1:182:A:VAL:HG12	1:183:A:GLY:H	6	0.49	0.01	0.49
(1,2462)	1:182:A:VAL:HG13	1:183:A:GLY:H	6	0.49	0.01	0.49
(2,635)	1:122:A:TYR:HD1	1:126:A:THR:H	6	0.47	0.1	0.51
(2,635)	1:122:A:TYR:HD2	1:126:A:THR:H	6	0.47	0.1	0.51
(1,1647)	1:112:A:VAL:HG11	1:112:A:VAL:H	6	0.46	0.01	0.46
(1,1647)	1:112:A:VAL:HG12	1:112:A:VAL:H	6	0.46	0.01	0.46
(1,1647)	1:112:A:VAL:HG13	1:112:A:VAL:H	6	0.46	0.01	0.46
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD11	6	0.46	0.03	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD12	6	0.46	0.03	0.45
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD13	6	0.46	0.03	0.45
(1,582)	1:51:A:ILE:HG21	1:55:A:VAL:H	6	0.4	0.09	0.42
(1,582)	1:51:A:ILE:HG22	1:55:A:VAL:H	6	0.4	0.09	0.42
(1,582)	1:51:A:ILE:HG23	1:55:A:VAL:H	6	0.4	0.09	0.42
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG21	6	0.4	0.16	0.36
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG22	6	0.4	0.16	0.36
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG23	6	0.4	0.16	0.36
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG21	6	0.4	0.16	0.36
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG22	6	0.4	0.16	0.36
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG23	6	0.4	0.16	0.36
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD21	6	0.35	0.1	0.38
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD22	6	0.35	0.1	0.38
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD1	6	0.3	0.12	0.28
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD2	6	0.3	0.12	0.28
(1,2028)	1:143:A:ILE:HD11	1:143:A:ILE:H	6	0.3	0.18	0.24
(1,2028)	1:143:A:ILE:HD12	1:143:A:ILE:H	6	0.3	0.18	0.24
(1,2028)	1:143:A:ILE:HD13	1:143:A:ILE:H	6	0.3	0.18	0.24
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD1	6	0.3	0.1	0.34
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD2	6	0.3	0.1	0.34
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD1	6	0.3	0.1	0.34
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD2	6	0.3	0.1	0.34
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD1	6	0.3	0.1	0.34
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD2	6	0.3	0.1	0.34
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG21	6	0.29	0.13	0.27
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG22	6	0.29	0.13	0.27
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG23	6	0.29	0.13	0.27
(1,873)	1:67:A:ALA:HB1	1:68:A:GLU:H	6	0.25	0.03	0.25
(1,873)	1:67:A:ALA:HB2	1:68:A:GLU:H	6	0.25	0.03	0.25
(1,873)	1:67:A:ALA:HB3	1:68:A:GLU:H	6	0.25	0.03	0.25
(2,714)	1:141:A:LYS:HD2	1:142:A:ILE:H	6	0.24	0.06	0.22
(2,714)	1:141:A:LYS:HD3	1:142:A:ILE:H	6	0.24	0.06	0.22
(1,2371)	1:174:A:ILE:HG21	1:175:A:PHE:H	6	0.23	0.07	0.22
(1,2371)	1:174:A:ILE:HG22	1:175:A:PHE:H	6	0.23	0.07	0.22
(1,2371)	1:174:A:ILE:HG23	1:175:A:PHE:H	6	0.23	0.07	0.22
(1,1769)	1:120:A:VAL:HG21	1:120:A:VAL:H	6	0.23	0.01	0.23
(1,1769)	1:120:A:VAL:HG22	1:120:A:VAL:H	6	0.23	0.01	0.23
(1,1769)	1:120:A:VAL:HG23	1:120:A:VAL:H	6	0.23	0.01	0.23
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD21	6	0.23	0.04	0.24
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD22	6	0.23	0.04	0.24
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD23	6	0.23	0.04	0.24
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE1	6	0.22	0.08	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE2	6	0.22	0.08	0.22
(1,1216)	1:81:A:ILE:HD11	1:100:A:ALA:H	6	0.21	0.07	0.19
(1,1216)	1:81:A:ILE:HD12	1:100:A:ALA:H	6	0.21	0.07	0.19
(1,1216)	1:81:A:ILE:HD13	1:100:A:ALA:H	6	0.21	0.07	0.19
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD11	6	0.2	0.11	0.16
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD12	6	0.2	0.11	0.16
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD13	6	0.2	0.11	0.16
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD11	6	0.2	0.11	0.16
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD12	6	0.2	0.11	0.16
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD13	6	0.2	0.11	0.16
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD11	6	0.2	0.11	0.16
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD12	6	0.2	0.11	0.16
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD13	6	0.2	0.11	0.16
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD11	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD12	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD13	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD11	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD12	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD13	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD11	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD12	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD13	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD11	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD12	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD13	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD11	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD12	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD13	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD11	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD12	6	0.2	0.02	0.2
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD13	6	0.2	0.02	0.2
(1,1640)	1:111:A:ILE:HG21	1:112:A:VAL:H	6	0.18	0.07	0.17
(1,1640)	1:111:A:ILE:HG22	1:112:A:VAL:H	6	0.18	0.07	0.17
(1,1640)	1:111:A:ILE:HG23	1:112:A:VAL:H	6	0.18	0.07	0.17
(1,1774)	1:121:A:LEU:HB3	1:121:A:LEU:H	6	0.18	0.02	0.18
(1,235)	1:32:A:ILE:HG21	1:33:A:THR:H	6	0.18	0.02	0.18
(1,235)	1:32:A:ILE:HG22	1:33:A:THR:H	6	0.18	0.02	0.18
(1,235)	1:32:A:ILE:HG23	1:33:A:THR:H	6	0.18	0.02	0.18
(1,845)	1:66:A:ASN:HD21	1:173:A:VAL:HA	6	0.16	0.02	0.17
(1,1723)	1:116:A:GLU:HG2	1:116:A:GLU:H	6	0.16	0.05	0.12
(1,1723)	1:116:A:GLU:HG3	1:116:A:GLU:H	6	0.16	0.05	0.12
(1,1128)	1:78:A:GLN:H	1:158:A:ALA:HA	6	0.16	0.02	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,554)	1:50:A:TRP:HD1	1:50:A:TRP:H	6	0.15	0.02	0.15
(1,2260)	1:163:A:LYS:H	1:168:A:PHE:HZ	6	0.14	0.03	0.14
(1,227)	1:32:A:ILE:HG13	1:33:A:THR:H	6	0.14	0.01	0.14
(1,426)	1:46:A:TYR:HA	1:156:A:PHE:HA	6	0.13	0.02	0.13
(1,761)	1:63:A:THR:H	1:175:A:PHE:HA	6	0.12	0.02	0.12
(1,795)	1:64:A:LEU:HG	1:67:A:ALA:HA	6	0.11	0.01	0.12
(1,1787)	1:123:A:PRO:HD2	1:124:A:ASP:H	6	0.11	0.02	0.1
(1,2459)	1:182:A:VAL:HB	1:183:A:GLY:H	6	0.1	0.0	0.11
(1,282)	1:35:A:ALA:HB1	1:36:A:ALA:H	5	0.6	0.06	0.57
(1,282)	1:35:A:ALA:HB2	1:36:A:ALA:H	5	0.6	0.06	0.57
(1,282)	1:35:A:ALA:HB3	1:36:A:ALA:H	5	0.6	0.06	0.57
(1,579)	1:51:A:ILE:HG21	1:53:A:ASP:HB2	5	0.58	0.36	0.79
(1,579)	1:51:A:ILE:HG21	1:53:A:ASP:HB3	5	0.58	0.36	0.79
(1,579)	1:51:A:ILE:HG22	1:53:A:ASP:HB2	5	0.58	0.36	0.79
(1,579)	1:51:A:ILE:HG22	1:53:A:ASP:HB3	5	0.58	0.36	0.79
(1,579)	1:51:A:ILE:HG23	1:53:A:ASP:HB2	5	0.58	0.36	0.79
(1,579)	1:51:A:ILE:HG23	1:53:A:ASP:HB3	5	0.58	0.36	0.79
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD21	5	0.55	0.2	0.65
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD22	5	0.55	0.2	0.65
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD23	5	0.55	0.2	0.65
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD11	5	0.55	0.3	0.52
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD12	5	0.55	0.3	0.52
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD13	5	0.55	0.3	0.52
(2,631)	1:122:A:TYR:HD1	1:124:A:ASP:H	5	0.5	0.01	0.5
(2,631)	1:122:A:TYR:HD2	1:124:A:ASP:H	5	0.5	0.01	0.5
(1,1097)	1:77:A:LEU:HD11	1:160:A:TYR:HB3	5	0.43	0.16	0.47
(1,1097)	1:77:A:LEU:HD12	1:160:A:TYR:HB3	5	0.43	0.16	0.47
(1,1097)	1:77:A:LEU:HD13	1:160:A:TYR:HB3	5	0.43	0.16	0.47
(1,1097)	1:77:A:LEU:HD21	1:160:A:TYR:HB3	5	0.43	0.16	0.47
(1,1097)	1:77:A:LEU:HD22	1:160:A:TYR:HB3	5	0.43	0.16	0.47
(1,1097)	1:77:A:LEU:HD23	1:160:A:TYR:HB3	5	0.43	0.16	0.47
(1,1537)	1:102:A:ILE:HD11	1:107:A:PRO:HA	5	0.43	0.11	0.51
(1,1537)	1:102:A:ILE:HD12	1:107:A:PRO:HA	5	0.43	0.11	0.51
(1,1537)	1:102:A:ILE:HD13	1:107:A:PRO:HA	5	0.43	0.11	0.51
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD11	5	0.41	0.01	0.41
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD12	5	0.41	0.01	0.41
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD13	5	0.41	0.01	0.41
(1,2448)	1:179:A:VAL:HG11	1:179:A:VAL:H	5	0.39	0.1	0.47
(1,2448)	1:179:A:VAL:HG12	1:179:A:VAL:H	5	0.39	0.1	0.47
(1,2448)	1:179:A:VAL:HG13	1:179:A:VAL:H	5	0.39	0.1	0.47
(1,11)	1:20:A:SER:HB2	1:21:A:GLU:H	5	0.34	0.09	0.39
(1,11)	1:20:A:SER:HB3	1:21:A:GLU:H	5	0.34	0.09	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models^1	Mean (Å)	SD^1 (Å)	Median (Å)
(2,735)	1:158:A:ALA:H	1:160:A:TYR:HE1	5	0.33	0.09	0.29
(2,735)	1:158:A:ALA:H	1:160:A:TYR:HE2	5	0.33	0.09	0.29
(1,166)	1:29:A:LEU:HD11	1:175:A:PHE:H	5	0.31	0.16	0.29
(1,166)	1:29:A:LEU:HD12	1:175:A:PHE:H	5	0.31	0.16	0.29
(1,166)	1:29:A:LEU:HD13	1:175:A:PHE:H	5	0.31	0.16	0.29
(1,2054)	1:145:A:TYR:HD1	1:146:A:ASN:H	5	0.3	0.09	0.34
(1,2054)	1:145:A:TYR:HD2	1:146:A:ASN:H	5	0.3	0.09	0.34
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD11	5	0.28	0.2	0.19
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD12	5	0.28	0.2	0.19
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD13	5	0.28	0.2	0.19
(2,534)	1:85:A:TYR:HE1	1:151:A:VAL:H	5	0.28	0.15	0.19
(2,534)	1:85:A:TYR:HE2	1:151:A:VAL:H	5	0.28	0.15	0.19
(1,1859)	1:133:A:ILE:HD11	1:144:A:VAL:HB	5	0.27	0.11	0.27
(1,1859)	1:133:A:ILE:HD12	1:144:A:VAL:HB	5	0.27	0.11	0.27
(1,1859)	1:133:A:ILE:HD13	1:144:A:VAL:HB	5	0.27	0.11	0.27
(1,1241)	1:81:A:ILE:HG21	1:156:A:PHE:HD1	5	0.27	0.27	0.13
(1,1241)	1:81:A:ILE:HG21	1:156:A:PHE:HD2	5	0.27	0.27	0.13
(1,1241)	1:81:A:ILE:HG22	1:156:A:PHE:HD1	5	0.27	0.27	0.13
(1,1241)	1:81:A:ILE:HG22	1:156:A:PHE:HD2	5	0.27	0.27	0.13
(1,1241)	1:81:A:ILE:HG23	1:156:A:PHE:HD1	5	0.27	0.27	0.13
(1,1241)	1:81:A:ILE:HG23	1:156:A:PHE:HD2	5	0.27	0.27	0.13
(1,915)	1:69:A:GLN:HG3	1:70:A:LEU:H	5	0.24	0.04	0.23
(2,731)	1:155:A:ASN:H	1:156:A:PHE:HD1	5	0.24	0.07	0.23
(2,731)	1:155:A:ASN:H	1:156:A:PHE:HD2	5	0.24	0.07	0.23
(1,909)	1:69:A:GLN:HB2	1:70:A:LEU:H	5	0.21	0.06	0.2
(1,922)	1:70:A:LEU:HD11	1:70:A:LEU:H	5	0.19	0.08	0.16
(1,922)	1:70:A:LEU:HD12	1:70:A:LEU:H	5	0.19	0.08	0.16
(1,922)	1:70:A:LEU:HD13	1:70:A:LEU:H	5	0.19	0.08	0.16
(1,455)	1:47:A:ALA:HB1	1:48:A:ILE:H	5	0.19	0.07	0.16
(1,455)	1:47:A:ALA:HB2	1:48:A:ILE:H	5	0.19	0.07	0.16
(1,455)	1:47:A:ALA:HB3	1:48:A:ILE:H	5	0.19	0.07	0.16
(1,2013)	1:142:A:ILE:HG21	1:143:A:ILE:H	5	0.18	0.06	0.15
(1,2013)	1:142:A:ILE:HG22	1:143:A:ILE:H	5	0.18	0.06	0.15
(1,2013)	1:142:A:ILE:HG23	1:143:A:ILE:H	5	0.18	0.06	0.15
(1,849)	1:66:A:ASN:HD22	1:66:A:ASN:H	5	0.18	0.01	0.18
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG21	5	0.18	0.05	0.17
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG22	5	0.18	0.05	0.17
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG23	5	0.18	0.05	0.17
(1,292)	1:37:A:GLY:HA2	1:37:A:GLY:H	5	0.17	0.05	0.15
(1,894)	1:68:A:GLU:H	1:69:A:GLN:H	5	0.15	0.03	0.15
(1,541)	1:50:A:TRP:HA	1:51:A:ILE:HB	5	0.15	0.03	0.17
(2,205)	1:39:A:GLN:HB3	1:39:A:GLN:HE21	5	0.14	0.0	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models^1	Mean (Å)	SD^1 (Å)	Median (Å)
(1,1363)	1:86:A:GLU:HG3	1:86:A:GLU:H	5	0.13	0.01	0.13
(1,2258)	1:163:A:LYS:HG2	1:163:A:LYS:H	5	0.13	0.01	0.14
(1,683)	1:60:A:LEU:HG	1:60:A:LEU:H	5	0.13	0.01	0.12
(1,1778)	1:121:A:LEU:HG	1:121:A:LEU:H	5	0.12	0.01	0.12
(1,1379)	1:87:A:THR:HA	1:134:A:TRP:HE3	5	0.12	0.01	0.12
(1,643)	1:57:A:ASP:HB2	1:115:A:LYS:H	5	0.12	0.01	0.12
(1,1974)	1:138:A:GLU:H	1:139:A:PRO:HD2	5	0.11	0.0	0.11
(1,2275)	1:167:A:LEU:HA	1:168:A:PHE:H	5	0.1	0.0	0.1
(2,7)	1:16:A:ALA:HB1	1:18:A:ALA:H	4	0.65	0.09	0.64
(2,7)	1:16:A:ALA:HB2	1:18:A:ALA:H	4	0.65	0.09	0.64
(2,7)	1:16:A:ALA:HB3	1:18:A:ALA:H	4	0.65	0.09	0.64
(1,923)	1:70:A:LEU:HD11	1:71:A:LYS:H	4	0.6	0.03	0.6
(1,923)	1:70:A:LEU:HD12	1:71:A:LYS:H	4	0.6	0.03	0.6
(1,923)	1:70:A:LEU:HD13	1:71:A:LYS:H	4	0.6	0.03	0.6
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD11	4	0.59	0.03	0.6
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD12	4	0.59	0.03	0.6
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD13	4	0.59	0.03	0.6
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD11	4	0.59	0.03	0.6
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD12	4	0.59	0.03	0.6
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD13	4	0.59	0.03	0.6
(1,223)	1:32:A:ILE:HD11	1:160:A:TYR:HE1	4	0.52	0.22	0.54
(1,223)	1:32:A:ILE:HD11	1:160:A:TYR:HE2	4	0.52	0.22	0.54
(1,223)	1:32:A:ILE:HD12	1:160:A:TYR:HE1	4	0.52	0.22	0.54
(1,223)	1:32:A:ILE:HD12	1:160:A:TYR:HE2	4	0.52	0.22	0.54
(1,223)	1:32:A:ILE:HD13	1:160:A:TYR:HE1	4	0.52	0.22	0.54
(1,223)	1:32:A:ILE:HD13	1:160:A:TYR:HE2	4	0.52	0.22	0.54
(1,2010)	1:142:A:ILE:HD11	1:145:A:TYR:HD1	4	0.5	0.2	0.5
(1,2010)	1:142:A:ILE:HD11	1:145:A:TYR:HD2	4	0.5	0.2	0.5
(1,2010)	1:142:A:ILE:HD12	1:145:A:TYR:HD1	4	0.5	0.2	0.5
(1,2010)	1:142:A:ILE:HD12	1:145:A:TYR:HD2	4	0.5	0.2	0.5
(1,2010)	1:142:A:ILE:HD13	1:145:A:TYR:HD1	4	0.5	0.2	0.5
(1,2010)	1:142:A:ILE:HD13	1:145:A:TYR:HD2	4	0.5	0.2	0.5
(2,94)	1:23:A:ILE:HD11	1:53:A:ASP:H	4	0.48	0.23	0.53
(2,94)	1:23:A:ILE:HD12	1:53:A:ASP:H	4	0.48	0.23	0.53
(2,94)	1:23:A:ILE:HD13	1:53:A:ASP:H	4	0.48	0.23	0.53
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB1	4	0.48	0.18	0.44
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB2	4	0.48	0.18	0.44
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB3	4	0.48	0.18	0.44
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB1	4	0.48	0.18	0.44
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB2	4	0.48	0.18	0.44
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB3	4	0.48	0.18	0.44
(2,702)	1:132:A:SER:HB2	1:145:A:TYR:HE1	4	0.46	0.09	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models^1	Mean (Å)	SD^1 (Å)	Median (Å)
(2,702)	1:132:A:SER:HB2	1:145:A:TYR:HE2	4	0.46	0.09	0.5
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG21	4	0.46	0.02	0.45
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG22	4	0.46	0.02	0.45
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG23	4	0.46	0.02	0.45
(1,1090)	1:77:A:LEU:HD11	1:79:A:ILE:H	4	0.42	0.07	0.42
(1,1090)	1:77:A:LEU:HD12	1:79:A:ILE:H	4	0.42	0.07	0.42
(1,1090)	1:77:A:LEU:HD13	1:79:A:ILE:H	4	0.42	0.07	0.42
(1,1090)	1:77:A:LEU:HD21	1:79:A:ILE:H	4	0.42	0.07	0.42
(1,1090)	1:77:A:LEU:HD22	1:79:A:ILE:H	4	0.42	0.07	0.42
(1,1090)	1:77:A:LEU:HD23	1:79:A:ILE:H	4	0.42	0.07	0.42
(1,1747)	1:118:A:ILE:HD11	1:118:A:ILE:H	4	0.4	0.17	0.45
(1,1747)	1:118:A:ILE:HD12	1:118:A:ILE:H	4	0.4	0.17	0.45
(1,1747)	1:118:A:ILE:HD13	1:118:A:ILE:H	4	0.4	0.17	0.45
(2,593)	1:114:A:ASP:HB2	1:116:A:GLU:HG2	4	0.39	0.12	0.42
(2,593)	1:114:A:ASP:HB2	1:116:A:GLU:HG3	4	0.39	0.12	0.42
(1,289)	1:37:A:GLY:HA3	1:37:A:GLY:H	4	0.37	0.09	0.39
(1,1707)	1:115:A:LYS:HG2	1:116:A:GLU:H	4	0.36	0.01	0.36
(1,1707)	1:115:A:LYS:HG3	1:116:A:GLU:H	4	0.36	0.01	0.36
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD11	4	0.35	0.15	0.32
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD12	4	0.35	0.15	0.32
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD13	4	0.35	0.15	0.32
(1,270)	1:34:A:PRO:HD3	1:168:A:PHE:HE1	4	0.34	0.03	0.34
(1,270)	1:34:A:PRO:HD3	1:168:A:PHE:HE2	4	0.34	0.03	0.34
(2,397)	1:73:A:TYR:HD1	1:74:A:PHE:HA	4	0.31	0.15	0.3
(2,397)	1:73:A:TYR:HD2	1:74:A:PHE:HA	4	0.31	0.15	0.3
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD11	4	0.3	0.04	0.29
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD12	4	0.3	0.04	0.29
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD13	4	0.3	0.04	0.29
(1,1483)	1:95:A:PHE:HE1	1:116:A:GLU:HB3	4	0.27	0.05	0.29
(1,1483)	1:95:A:PHE:HE2	1:116:A:GLU:HB3	4	0.27	0.05	0.29
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG21	4	0.24	0.04	0.26
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG22	4	0.24	0.04	0.26
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG23	4	0.24	0.04	0.26
(1,597)	1:53:A:ASP:HB2	1:54:A:GLN:H	4	0.22	0.1	0.21
(1,597)	1:53:A:ASP:HB3	1:54:A:GLN:H	4	0.22	0.1	0.21
(1,2154)	1:156:A:PHE:HD1	1:156:A:PHE:H	4	0.22	0.01	0.22
(1,2154)	1:156:A:PHE:HD2	1:156:A:PHE:H	4	0.22	0.01	0.22
(1,908)	1:69:A:GLN:HB3	1:70:A:LEU:H	4	0.2	0.05	0.18
(1,911)	1:69:A:GLN:HE22	1:70:A:LEU:H	4	0.2	0.03	0.2
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG21	4	0.2	0.01	0.2
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG22	4	0.2	0.01	0.2
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG23	4	0.2	0.01	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,755)	1:63:A:THR:HG21	1:108:A:SER:HA	4	0.19	0.08	0.19
(1,755)	1:63:A:THR:HG22	1:108:A:SER:HA	4	0.19	0.08	0.19
(1,755)	1:63:A:THR:HG23	1:108:A:SER:HA	4	0.19	0.08	0.19
(1,2455)	1:182:A:VAL:HA	1:182:A:VAL:HB	4	0.17	0.0	0.17
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG21	4	0.16	0.01	0.16
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG22	4	0.16	0.01	0.16
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG23	4	0.16	0.01	0.16
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG21	4	0.16	0.02	0.15
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG22	4	0.16	0.02	0.15
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG23	4	0.16	0.02	0.15
(1,48)	1:24:A:ASP:HB3	1:50:A:TRP:HD1	4	0.15	0.03	0.15
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG21	4	0.14	0.03	0.15
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG22	4	0.14	0.03	0.15
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG23	4	0.14	0.03	0.15
(1,831)	1:66:A:ASN:HA	1:174:A:ILE:HB	4	0.14	0.01	0.14
(1,854)	1:66:A:ASN:HD22	1:172:A:PRO:HD3	4	0.14	0.03	0.13
(1,77)	1:25:A:VAL:HG11	1:25:A:VAL:H	4	0.14	0.03	0.12
(1,77)	1:25:A:VAL:HG12	1:25:A:VAL:H	4	0.14	0.03	0.12
(1,77)	1:25:A:VAL:HG13	1:25:A:VAL:H	4	0.14	0.03	0.12
(2,761)	1:168:A:PHE:H	1:169:A:ASP:H	4	0.13	0.02	0.12
(2,206)	1:39:A:GLN:HB2	1:39:A:GLN:HE21	4	0.13	0.02	0.14
(1,834)	1:66:A:ASN:HB3	1:66:A:ASN:H	4	0.12	0.01	0.13
(1,2299)	1:169:A:ASP:H	1:170:A:SER:H	4	0.12	0.02	0.12
(1,1380)	1:87:A:THR:HA	1:134:A:TRP:HH2	4	0.12	0.02	0.12
(1,1520)	1:100:A:ALA:HB1	1:111:A:ILE:HG21	3	0.71	0.15	0.81
(1,1520)	1:100:A:ALA:HB1	1:111:A:ILE:HG22	3	0.71	0.15	0.81
(1,1520)	1:100:A:ALA:HB1	1:111:A:ILE:HG23	3	0.71	0.15	0.81
(1,1520)	1:100:A:ALA:HB2	1:111:A:ILE:HG21	3	0.71	0.15	0.81
(1,1520)	1:100:A:ALA:HB2	1:111:A:ILE:HG22	3	0.71	0.15	0.81
(1,1520)	1:100:A:ALA:HB2	1:111:A:ILE:HG23	3	0.71	0.15	0.81
(1,1520)	1:100:A:ALA:HB3	1:111:A:ILE:HG21	3	0.71	0.15	0.81
(1,1520)	1:100:A:ALA:HB3	1:111:A:ILE:HG22	3	0.71	0.15	0.81
(1,1520)	1:100:A:ALA:HB3	1:111:A:ILE:HG23	3	0.71	0.15	0.81
(2,718)	1:142:A:ILE:HD11	1:145:A:TYR:HE1	3	0.65	0.43	0.65
(2,718)	1:142:A:ILE:HD11	1:145:A:TYR:HE2	3	0.65	0.43	0.65
(2,718)	1:142:A:ILE:HD12	1:145:A:TYR:HE1	3	0.65	0.43	0.65
(2,718)	1:142:A:ILE:HD12	1:145:A:TYR:HE2	3	0.65	0.43	0.65
(2,718)	1:142:A:ILE:HD13	1:145:A:TYR:HE1	3	0.65	0.43	0.65
(2,718)	1:142:A:ILE:HD13	1:145:A:TYR:HE2	3	0.65	0.43	0.65
(1,1884)	1:134:A:TRP:HA	1:143:A:ILE:HD11	3	0.61	0.02	0.61
(1,1884)	1:134:A:TRP:HA	1:143:A:ILE:HD12	3	0.61	0.02	0.61
(1,1884)	1:134:A:TRP:HA	1:143:A:ILE:HD13	3	0.61	0.02	0.61

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,508)	1:48:A:ILE:HG21	1:153:A:ILE:HG13	3	0.58	0.01	0.58
(1,508)	1:48:A:ILE:HG22	1:153:A:ILE:HG13	3	0.58	0.01	0.58
(1,508)	1:48:A:ILE:HG23	1:153:A:ILE:HG13	3	0.58	0.01	0.58
(1,650)	1:58:A:VAL:HG11	1:58:A:VAL:H	3	0.58	0.03	0.6
(1,650)	1:58:A:VAL:HG12	1:58:A:VAL:H	3	0.58	0.03	0.6
(1,650)	1:58:A:VAL:HG13	1:58:A:VAL:H	3	0.58	0.03	0.6
(1,650)	1:58:A:VAL:HG21	1:58:A:VAL:H	3	0.58	0.03	0.6
(1,650)	1:58:A:VAL:HG22	1:58:A:VAL:H	3	0.58	0.03	0.6
(1,650)	1:58:A:VAL:HG23	1:58:A:VAL:H	3	0.58	0.03	0.6
(1,1274)	1:82:A:THR:HG21	1:96:A:SER:HB3	3	0.58	0.02	0.58
(1,1274)	1:82:A:THR:HG22	1:96:A:SER:HB3	3	0.58	0.02	0.58
(1,1274)	1:82:A:THR:HG23	1:96:A:SER:HB3	3	0.58	0.02	0.58
(1,1275)	1:82:A:THR:HG21	1:96:A:SER:HB2	3	0.53	0.08	0.59
(1,1275)	1:82:A:THR:HG22	1:96:A:SER:HB2	3	0.53	0.08	0.59
(1,1275)	1:82:A:THR:HG23	1:96:A:SER:HB2	3	0.53	0.08	0.59
(1,1104)	1:77:A:LEU:H	1:104:A:LEU:HD21	3	0.53	0.01	0.53
(1,1104)	1:77:A:LEU:H	1:104:A:LEU:HD22	3	0.53	0.01	0.53
(1,1104)	1:77:A:LEU:H	1:104:A:LEU:HD23	3	0.53	0.01	0.53
(1,1766)	1:120:A:VAL:HG11	1:120:A:VAL:H	3	0.44	0.0	0.44
(1,1766)	1:120:A:VAL:HG12	1:120:A:VAL:H	3	0.44	0.0	0.44
(1,1766)	1:120:A:VAL:HG13	1:120:A:VAL:H	3	0.44	0.0	0.44
(2,295)	1:52:A:LYS:HE2	1:54:A:GLN:HE22	3	0.38	0.05	0.4
(2,295)	1:52:A:LYS:HE3	1:54:A:GLN:HE22	3	0.38	0.05	0.4
(2,689)	1:131:A:THR:HA	1:145:A:TYR:HD1	3	0.37	0.09	0.44
(2,689)	1:131:A:THR:HA	1:145:A:TYR:HD2	3	0.37	0.09	0.44
(1,844)	1:66:A:ASN:HD21	1:70:A:LEU:HD21	3	0.34	0.05	0.34
(1,844)	1:66:A:ASN:HD21	1:70:A:LEU:HD22	3	0.34	0.05	0.34
(1,844)	1:66:A:ASN:HD21	1:70:A:LEU:HD23	3	0.34	0.05	0.34
(2,673)	1:127:A:GLY:H	1:128:A:TYR:HD1	3	0.33	0.12	0.25
(2,673)	1:127:A:GLY:H	1:128:A:TYR:HD2	3	0.33	0.12	0.25
(1,1557)	1:103:A:SER:HA	1:104:A:LEU:HB2	3	0.32	0.01	0.32
(2,618)	1:119:A:ALA:HB1	1:149:A:LYS:H	3	0.31	0.18	0.21
(2,618)	1:119:A:ALA:HB2	1:149:A:LYS:H	3	0.31	0.18	0.21
(2,618)	1:119:A:ALA:HB3	1:149:A:LYS:H	3	0.31	0.18	0.21
(1,1485)	1:95:A:PHE:HE1	1:117:A:ASP:HA	3	0.3	0.01	0.29
(1,1485)	1:95:A:PHE:HE2	1:117:A:ASP:HA	3	0.3	0.01	0.29
(1,2191)	1:158:A:ALA:HB1	1:160:A:TYR:HE1	3	0.29	0.11	0.33
(1,2191)	1:158:A:ALA:HB1	1:160:A:TYR:HE2	3	0.29	0.11	0.33
(1,2191)	1:158:A:ALA:HB2	1:160:A:TYR:HE1	3	0.29	0.11	0.33
(1,2191)	1:158:A:ALA:HB2	1:160:A:TYR:HE2	3	0.29	0.11	0.33
(1,2191)	1:158:A:ALA:HB3	1:160:A:TYR:HE1	3	0.29	0.11	0.33
(1,2191)	1:158:A:ALA:HB3	1:160:A:TYR:HE2	3	0.29	0.11	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1845)	1:132:A:SER:HB2	1:145:A:TYR:HD1	3	0.28	0.04	0.3
(1,1845)	1:132:A:SER:HB2	1:145:A:TYR:HD2	3	0.28	0.04	0.3
(1,2262)	1:164:A:GLU:HA	1:164:A:GLU:HG2	3	0.28	0.01	0.27
(1,2262)	1:164:A:GLU:HA	1:164:A:GLU:HG3	3	0.28	0.01	0.27
(2,729)	1:151:A:VAL:H	1:153:A:ILE:HD11	3	0.27	0.08	0.23
(2,729)	1:151:A:VAL:H	1:153:A:ILE:HD12	3	0.27	0.08	0.23
(2,729)	1:151:A:VAL:H	1:153:A:ILE:HD13	3	0.27	0.08	0.23
(1,1789)	1:125:A:LYS:HG2	1:125:A:LYS:HE2	3	0.26	0.0	0.26
(1,1789)	1:125:A:LYS:HG2	1:125:A:LYS:HE3	3	0.26	0.0	0.26
(1,1789)	1:125:A:LYS:HG3	1:125:A:LYS:HE2	3	0.26	0.0	0.26
(1,1789)	1:125:A:LYS:HG3	1:125:A:LYS:HE3	3	0.26	0.0	0.26
(1,1770)	1:120:A:VAL:HG21	1:121:A:LEU:H	3	0.26	0.04	0.25
(1,1770)	1:120:A:VAL:HG22	1:121:A:LEU:H	3	0.26	0.04	0.25
(1,1770)	1:120:A:VAL:HG23	1:121:A:LEU:H	3	0.26	0.04	0.25
(1,1803)	1:129:A:THR:HA	1:129:A:THR:HG21	3	0.24	0.0	0.24
(1,1803)	1:129:A:THR:HA	1:129:A:THR:HG22	3	0.24	0.0	0.24
(1,1803)	1:129:A:THR:HA	1:129:A:THR:HG23	3	0.24	0.0	0.24
(2,468)	1:79:A:ILE:HG21	1:156:A:PHE:HE1	3	0.24	0.02	0.25
(2,468)	1:79:A:ILE:HG21	1:156:A:PHE:HE2	3	0.24	0.02	0.25
(2,468)	1:79:A:ILE:HG22	1:156:A:PHE:HE1	3	0.24	0.02	0.25
(2,468)	1:79:A:ILE:HG22	1:156:A:PHE:HE2	3	0.24	0.02	0.25
(2,468)	1:79:A:ILE:HG23	1:156:A:PHE:HE1	3	0.24	0.02	0.25
(2,468)	1:79:A:ILE:HG23	1:156:A:PHE:HE2	3	0.24	0.02	0.25
(1,1233)	1:81:A:ILE:HG21	1:100:A:ALA:HB1	3	0.22	0.07	0.19
(1,1233)	1:81:A:ILE:HG21	1:100:A:ALA:HB2	3	0.22	0.07	0.19
(1,1233)	1:81:A:ILE:HG21	1:100:A:ALA:HB3	3	0.22	0.07	0.19
(1,1233)	1:81:A:ILE:HG22	1:100:A:ALA:HB1	3	0.22	0.07	0.19
(1,1233)	1:81:A:ILE:HG22	1:100:A:ALA:HB2	3	0.22	0.07	0.19
(1,1233)	1:81:A:ILE:HG22	1:100:A:ALA:HB3	3	0.22	0.07	0.19
(1,1233)	1:81:A:ILE:HG23	1:100:A:ALA:HB1	3	0.22	0.07	0.19
(1,1233)	1:81:A:ILE:HG23	1:100:A:ALA:HB2	3	0.22	0.07	0.19
(1,1233)	1:81:A:ILE:HG23	1:100:A:ALA:HB3	3	0.22	0.07	0.19
(1,1474)	1:95:A:PHE:HB2	1:95:A:PHE:H	3	0.22	0.06	0.25
(1,1474)	1:95:A:PHE:HB3	1:95:A:PHE:H	3	0.22	0.06	0.25
(1,1635)	1:111:A:ILE:HB	1:111:A:ILE:H	3	0.21	0.02	0.21
(1,1020)	1:74:A:PHE:HD1	1:162:A:ALA:HA	3	0.2	0.08	0.22
(1,1020)	1:74:A:PHE:HD2	1:162:A:ALA:HA	3	0.2	0.08	0.22
(1,647)	1:58:A:VAL:HB	1:58:A:VAL:H	3	0.2	0.0	0.2
(1,2425)	1:177:A:PHE:HD1	1:177:A:PHE:H	3	0.19	0.06	0.22
(1,2425)	1:177:A:PHE:HD2	1:177:A:PHE:H	3	0.19	0.06	0.22
(1,1232)	1:81:A:ILE:HG21	1:99:A:LYS:H	3	0.19	0.08	0.16
(1,1232)	1:81:A:ILE:HG22	1:99:A:LYS:H	3	0.19	0.08	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1232)	1:81:A:ILE:HG23	1:99:A:LYS:H	3	0.19	0.08	0.16
(1,356)	1:42:A:ASP:HB2	1:160:A:TYR:HE1	3	0.19	0.12	0.11
(1,356)	1:42:A:ASP:HB2	1:160:A:TYR:HE2	3	0.19	0.12	0.11
(1,356)	1:42:A:ASP:HB3	1:160:A:TYR:HE1	3	0.19	0.12	0.11
(1,356)	1:42:A:ASP:HB3	1:160:A:TYR:HE2	3	0.19	0.12	0.11
(1,1882)	1:134:A:TRP:HA	1:143:A:ILE:HA	3	0.18	0.01	0.19
(1,1775)	1:121:A:LEU:HB2	1:121:A:LEU:H	3	0.18	0.03	0.19
(1,1572)	1:104:A:LEU:HD11	1:104:A:LEU:H	3	0.17	0.02	0.17
(1,1572)	1:104:A:LEU:HD12	1:104:A:LEU:H	3	0.17	0.02	0.17
(1,1572)	1:104:A:LEU:HD13	1:104:A:LEU:H	3	0.17	0.02	0.17
(1,886)	1:68:A:GLU:HA	1:71:A:LYS:HD2	3	0.16	0.06	0.14
(1,886)	1:68:A:GLU:HA	1:71:A:LYS:HD3	3	0.16	0.06	0.14
(1,240)	1:32:A:ILE:HG21	1:74:A:PHE:HE1	3	0.16	0.06	0.13
(1,240)	1:32:A:ILE:HG21	1:74:A:PHE:HE2	3	0.16	0.06	0.13
(1,240)	1:32:A:ILE:HG22	1:74:A:PHE:HE1	3	0.16	0.06	0.13
(1,240)	1:32:A:ILE:HG22	1:74:A:PHE:HE2	3	0.16	0.06	0.13
(1,240)	1:32:A:ILE:HG23	1:74:A:PHE:HE1	3	0.16	0.06	0.13
(1,240)	1:32:A:ILE:HG23	1:74:A:PHE:HE2	3	0.16	0.06	0.13
(2,298)	1:54:A:GLN:HB3	1:54:A:GLN:HE21	3	0.16	0.03	0.14
(3,2)	1:33:A:THR:HA	1:34:A:PRO:HD3	3	0.16	0.03	0.15
(1,190)	1:31:A:SER:HA	1:32:A:ILE:HD11	3	0.15	0.03	0.17
(1,190)	1:31:A:SER:HA	1:32:A:ILE:HD12	3	0.15	0.03	0.17
(1,190)	1:31:A:SER:HA	1:32:A:ILE:HD13	3	0.15	0.03	0.17
(1,2316)	1:171:A:LEU:HA	1:172:A:PRO:HD3	3	0.15	0.03	0.16
(1,256)	1:33:A:THR:HA	1:168:A:PHE:HZ	3	0.14	0.03	0.14
(1,12)	1:21:A:GLU:HA	1:21:A:GLU:HG2	3	0.13	0.0	0.13
(1,12)	1:21:A:GLU:HA	1:21:A:GLU:HG3	3	0.13	0.0	0.13
(1,424)	1:46:A:TYR:HA	1:155:A:ASN:HB2	3	0.12	0.01	0.12
(1,272)	1:34:A:PRO:HD2	1:35:A:ALA:H	3	0.11	0.01	0.12
(1,432)	1:46:A:TYR:HB3	1:154:A:LEU:H	3	0.11	0.01	0.11
(1,1422)	1:88:A:ASN:HB2	1:88:A:ASN:HD21	3	0.11	0.01	0.12
(1,1629)	1:110:A:VAL:HG11	1:111:A:ILE:H	3	0.11	0.0	0.11
(1,1629)	1:110:A:VAL:HG12	1:111:A:ILE:H	3	0.11	0.0	0.11
(1,1629)	1:110:A:VAL:HG13	1:111:A:ILE:H	3	0.11	0.0	0.11
(1,2086)	1:152:A:ALA:HA	1:152:A:ALA:HB1	3	0.11	0.0	0.11
(1,2086)	1:152:A:ALA:HA	1:152:A:ALA:HB2	3	0.11	0.0	0.11
(1,2086)	1:152:A:ALA:HA	1:152:A:ALA:HB3	3	0.11	0.0	0.11
(1,678)	1:60:A:LEU:HA	1:111:A:ILE:H	3	0.1	0.0	0.1
(1,1457)	1:92:A:LEU:HD11	1:93:A:GLY:H	2	0.72	0.03	0.72
(1,1457)	1:92:A:LEU:HD12	1:93:A:GLY:H	2	0.72	0.03	0.72
(1,1457)	1:92:A:LEU:HD13	1:93:A:GLY:H	2	0.72	0.03	0.72
(2,5)	1:16:A:ALA:HB1	1:17:A:GLN:HE21	2	0.65	0.1	0.65

Continued on next page...

Continued from previous page...

Key	**Atom-1**	**Atom-2**	**Models**[1]	**Mean (Å)**	**SD**[1] **(Å)**	**Median (Å)**
(2,5)	1:16:A:ALA:HB2	1:17:A:GLN:HE21	2	0.65	0.1	0.65
(2,5)	1:16:A:ALA:HB3	1:17:A:GLN:HE21	2	0.65	0.1	0.65
(2,184)	1:37:A:GLY:H	1:38:A:ALA:HB1	2	0.65	0.03	0.65
(2,184)	1:37:A:GLY:H	1:38:A:ALA:HB2	2	0.65	0.03	0.65
(2,184)	1:37:A:GLY:H	1:38:A:ALA:HB3	2	0.65	0.03	0.65
(1,1091)	1:77:A:LEU:HD11	1:103:A:SER:HA	2	0.53	0.14	0.53
(1,1091)	1:77:A:LEU:HD12	1:103:A:SER:HA	2	0.53	0.14	0.53
(1,1091)	1:77:A:LEU:HD13	1:103:A:SER:HA	2	0.53	0.14	0.53
(1,1091)	1:77:A:LEU:HD21	1:103:A:SER:HA	2	0.53	0.14	0.53
(1,1091)	1:77:A:LEU:HD22	1:103:A:SER:HA	2	0.53	0.14	0.53
(1,1091)	1:77:A:LEU:HD23	1:103:A:SER:HA	2	0.53	0.14	0.53
(1,1242)	1:81:A:ILE:HG21	1:156:A:PHE:HE1	2	0.52	0.26	0.52
(1,1242)	1:81:A:ILE:HG21	1:156:A:PHE:HE2	2	0.52	0.26	0.52
(1,1242)	1:81:A:ILE:HG22	1:156:A:PHE:HE1	2	0.52	0.26	0.52
(1,1242)	1:81:A:ILE:HG22	1:156:A:PHE:HE2	2	0.52	0.26	0.52
(1,1242)	1:81:A:ILE:HG23	1:156:A:PHE:HE1	2	0.52	0.26	0.52
(1,1242)	1:81:A:ILE:HG23	1:156:A:PHE:HE2	2	0.52	0.26	0.52
(2,700)	1:132:A:SER:HB3	1:145:A:TYR:HE1	2	0.51	0.0	0.51
(2,700)	1:132:A:SER:HB3	1:145:A:TYR:HE2	2	0.51	0.0	0.51
(2,716)	1:142:A:ILE:HB	1:145:A:TYR:HE1	2	0.51	0.0	0.51
(2,716)	1:142:A:ILE:HB	1:145:A:TYR:HE2	2	0.51	0.0	0.51
(1,2284)	1:168:A:PHE:HB2	1:171:A:LEU:HD11	2	0.49	0.09	0.49
(1,2284)	1:168:A:PHE:HB2	1:171:A:LEU:HD12	2	0.49	0.09	0.49
(1,2284)	1:168:A:PHE:HB2	1:171:A:LEU:HD13	2	0.49	0.09	0.49
(1,1662)	1:113:A:LEU:HD11	1:113:A:LEU:H	2	0.48	0.0	0.48
(1,1662)	1:113:A:LEU:HD12	1:113:A:LEU:H	2	0.48	0.0	0.48
(1,1662)	1:113:A:LEU:HD13	1:113:A:LEU:H	2	0.48	0.0	0.48
(2,661)	1:125:A:LYS:HG2	1:126:A:THR:H	2	0.46	0.06	0.46
(2,661)	1:125:A:LYS:HG3	1:126:A:THR:H	2	0.46	0.06	0.46
(1,992)	1:73:A:TYR:HE1	1:171:A:LEU:HD21	2	0.44	0.25	0.44
(1,992)	1:73:A:TYR:HE1	1:171:A:LEU:HD22	2	0.44	0.25	0.44
(1,992)	1:73:A:TYR:HE1	1:171:A:LEU:HD23	2	0.44	0.25	0.44
(1,992)	1:73:A:TYR:HE2	1:171:A:LEU:HD21	2	0.44	0.25	0.44
(1,992)	1:73:A:TYR:HE2	1:171:A:LEU:HD22	2	0.44	0.25	0.44
(1,992)	1:73:A:TYR:HE2	1:171:A:LEU:HD23	2	0.44	0.25	0.44
(1,2081)	1:151:A:VAL:HG11	1:153:A:ILE:H	2	0.44	0.03	0.44
(1,2081)	1:151:A:VAL:HG12	1:153:A:ILE:H	2	0.44	0.03	0.44
(1,2081)	1:151:A:VAL:HG13	1:153:A:ILE:H	2	0.44	0.03	0.44
(2,240)	1:46:A:TYR:HB2	1:155:A:ASN:HD21	2	0.44	0.03	0.44
(2,240)	1:46:A:TYR:HB2	1:155:A:ASN:HD22	2	0.44	0.03	0.44
(1,2080)	1:151:A:VAL:HG11	1:152:A:ALA:H	2	0.42	0.01	0.42
(1,2080)	1:151:A:VAL:HG12	1:152:A:ALA:H	2	0.42	0.01	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2080)	1:151:A:VAL:HG13	1:152:A:ALA:H	2	0.42	0.01	0.42
(2,355)	1:64:A:LEU:H	1:175:A:PHE:HE1	2	0.4	0.1	0.4
(2,355)	1:64:A:LEU:H	1:175:A:PHE:HE2	2	0.4	0.1	0.4
(1,1844)	1:132:A:SER:HB2	1:142:A:ILE:HG21	2	0.4	0.05	0.4
(1,1844)	1:132:A:SER:HB2	1:142:A:ILE:HG22	2	0.4	0.05	0.4
(1,1844)	1:132:A:SER:HB2	1:142:A:ILE:HG23	2	0.4	0.05	0.4
(1,2287)	1:168:A:PHE:HD1	1:169:A:ASP:H	2	0.38	0.21	0.38
(1,2287)	1:168:A:PHE:HD2	1:169:A:ASP:H	2	0.38	0.21	0.38
(2,721)	1:144:A:VAL:HA	1:145:A:TYR:HD1	2	0.37	0.2	0.37
(2,721)	1:144:A:VAL:HA	1:145:A:TYR:HD2	2	0.37	0.2	0.37
(1,126)	1:27:A:SER:HB2	1:177:A:PHE:HE1	2	0.36	0.12	0.36
(1,126)	1:27:A:SER:HB2	1:177:A:PHE:HE2	2	0.36	0.12	0.36
(1,126)	1:27:A:SER:HB3	1:177:A:PHE:HE1	2	0.36	0.12	0.36
(1,126)	1:27:A:SER:HB3	1:177:A:PHE:HE2	2	0.36	0.12	0.36
(2,601)	1:115:A:LYS:HE2	1:116:A:GLU:H	2	0.36	0.04	0.36
(2,601)	1:115:A:LYS:HE3	1:116:A:GLU:H	2	0.36	0.04	0.36
(2,725)	1:145:A:TYR:HD1	1:147:A:GLU:H	2	0.36	0.01	0.36
(2,725)	1:145:A:TYR:HD2	1:147:A:GLU:H	2	0.36	0.01	0.36
(2,590)	1:110:A:VAL:H	1:111:A:ILE:HD11	2	0.36	0.14	0.36
(2,590)	1:110:A:VAL:H	1:111:A:ILE:HD12	2	0.36	0.14	0.36
(2,590)	1:110:A:VAL:H	1:111:A:ILE:HD13	2	0.36	0.14	0.36
(1,86)	1:25:A:VAL:HG21	1:49:A:VAL:HG21	2	0.34	0.1	0.34
(1,86)	1:25:A:VAL:HG21	1:49:A:VAL:HG22	2	0.34	0.1	0.34
(1,86)	1:25:A:VAL:HG21	1:49:A:VAL:HG23	2	0.34	0.1	0.34
(1,86)	1:25:A:VAL:HG22	1:49:A:VAL:HG21	2	0.34	0.1	0.34
(1,86)	1:25:A:VAL:HG22	1:49:A:VAL:HG22	2	0.34	0.1	0.34
(1,86)	1:25:A:VAL:HG22	1:49:A:VAL:HG23	2	0.34	0.1	0.34
(1,86)	1:25:A:VAL:HG23	1:49:A:VAL:HG21	2	0.34	0.1	0.34
(1,86)	1:25:A:VAL:HG23	1:49:A:VAL:HG22	2	0.34	0.1	0.34
(1,86)	1:25:A:VAL:HG23	1:49:A:VAL:HG23	2	0.34	0.1	0.34
(1,2069)	1:148:A:THR:HG21	1:148:A:THR:H	2	0.34	0.2	0.34
(1,2069)	1:148:A:THR:HG22	1:148:A:THR:H	2	0.34	0.2	0.34
(1,2069)	1:148:A:THR:HG23	1:148:A:THR:H	2	0.34	0.2	0.34
(2,724)	1:145:A:TYR:HD1	1:147:A:GLU:HG2	2	0.34	0.04	0.34
(2,724)	1:145:A:TYR:HD1	1:147:A:GLU:HG3	2	0.34	0.04	0.34
(2,724)	1:145:A:TYR:HD2	1:147:A:GLU:HG2	2	0.34	0.04	0.34
(2,724)	1:145:A:TYR:HD2	1:147:A:GLU:HG3	2	0.34	0.04	0.34
(1,238)	1:32:A:ILE:HG21	1:42:A:ASP:HB2	2	0.32	0.01	0.32
(1,238)	1:32:A:ILE:HG21	1:42:A:ASP:HB3	2	0.32	0.01	0.32
(1,238)	1:32:A:ILE:HG22	1:42:A:ASP:HB2	2	0.32	0.01	0.32
(1,238)	1:32:A:ILE:HG22	1:42:A:ASP:HB3	2	0.32	0.01	0.32
(1,238)	1:32:A:ILE:HG23	1:42:A:ASP:HB2	2	0.32	0.01	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,238)	1:32:A:ILE:HG23	1:42:A:ASP:HB3	2	0.32	0.01	0.32
(2,443)	1:76:A:TYR:HE1	1:78:A:GLN:HE22	2	0.32	0.2	0.32
(2,443)	1:76:A:TYR:HE2	1:78:A:GLN:HE22	2	0.32	0.2	0.32
(1,2176)	1:157:A:LYS:HE2	1:159:A:PHE:HE1	2	0.32	0.15	0.32
(1,2176)	1:157:A:LYS:HE2	1:159:A:PHE:HE2	2	0.32	0.15	0.32
(1,2176)	1:157:A:LYS:HE3	1:159:A:PHE:HE1	2	0.32	0.15	0.32
(1,2176)	1:157:A:LYS:HE3	1:159:A:PHE:HE2	2	0.32	0.15	0.32
(1,2446)	1:179:A:VAL:HB	1:179:A:VAL:H	2	0.32	0.01	0.32
(2,227)	1:43:A:ASP:HB3	1:46:A:TYR:HE1	2	0.32	0.08	0.32
(2,227)	1:43:A:ASP:HB3	1:46:A:TYR:HE2	2	0.32	0.08	0.32
(1,1460)	1:92:A:LEU:HG	1:93:A:GLY:H	2	0.31	0.16	0.31
(1,1841)	1:132:A:SER:HB3	1:145:A:TYR:HD1	2	0.3	0.01	0.3
(1,1841)	1:132:A:SER:HB3	1:145:A:TYR:HD2	2	0.3	0.01	0.3
(1,260)	1:33:A:THR:HG21	1:34:A:PRO:HD3	2	0.29	0.1	0.29
(1,260)	1:33:A:THR:HG22	1:34:A:PRO:HD3	2	0.29	0.1	0.29
(1,260)	1:33:A:THR:HG23	1:34:A:PRO:HD3	2	0.29	0.1	0.29
(1,2321)	1:171:A:LEU:HD11	1:171:A:LEU:H	2	0.29	0.06	0.29
(1,2321)	1:171:A:LEU:HD12	1:171:A:LEU:H	2	0.29	0.06	0.29
(1,2321)	1:171:A:LEU:HD13	1:171:A:LEU:H	2	0.29	0.06	0.29
(1,1032)	1:74:A:PHE:HE1	1:168:A:PHE:HZ	2	0.28	0.03	0.28
(1,1032)	1:74:A:PHE:HE2	1:168:A:PHE:HZ	2	0.28	0.03	0.28
(1,655)	1:58:A:VAL:H	1:113:A:LEU:HD11	2	0.27	0.1	0.27
(1,655)	1:58:A:VAL:H	1:113:A:LEU:HD12	2	0.27	0.1	0.27
(1,655)	1:58:A:VAL:H	1:113:A:LEU:HD13	2	0.27	0.1	0.27
(1,724)	1:62:A:VAL:HG11	1:63:A:THR:H	2	0.27	0.01	0.27
(1,724)	1:62:A:VAL:HG12	1:63:A:THR:H	2	0.27	0.01	0.27
(1,724)	1:62:A:VAL:HG13	1:63:A:THR:H	2	0.27	0.01	0.27
(1,1400)	1:87:A:THR:HG21	1:88:A:ASN:HA	2	0.27	0.05	0.27
(1,1400)	1:87:A:THR:HG22	1:88:A:ASN:HA	2	0.27	0.05	0.27
(1,1400)	1:87:A:THR:HG23	1:88:A:ASN:HA	2	0.27	0.05	0.27
(2,522)	1:85:A:TYR:HD1	1:134:A:TRP:HA	2	0.27	0.01	0.27
(2,522)	1:85:A:TYR:HD2	1:134:A:TRP:HA	2	0.27	0.01	0.27
(1,651)	1:58:A:VAL:HG11	1:59:A:LYS:H	2	0.26	0.11	0.26
(1,651)	1:58:A:VAL:HG12	1:59:A:LYS:H	2	0.26	0.11	0.26
(1,651)	1:58:A:VAL:HG13	1:59:A:LYS:H	2	0.26	0.11	0.26
(1,651)	1:58:A:VAL:HG21	1:59:A:LYS:H	2	0.26	0.11	0.26
(1,651)	1:58:A:VAL:HG22	1:59:A:LYS:H	2	0.26	0.11	0.26
(1,651)	1:58:A:VAL:HG23	1:59:A:LYS:H	2	0.26	0.11	0.26
(1,727)	1:62:A:VAL:HG11	1:177:A:PHE:HE1	2	0.26	0.02	0.26
(1,727)	1:62:A:VAL:HG11	1:177:A:PHE:HE2	2	0.26	0.02	0.26
(1,727)	1:62:A:VAL:HG12	1:177:A:PHE:HE1	2	0.26	0.02	0.26
(1,727)	1:62:A:VAL:HG12	1:177:A:PHE:HE2	2	0.26	0.02	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models^1	Mean (Å)	SD^1 (Å)	Median (Å)
(1,727)	1:62:A:VAL:HG13	1:177:A:PHE:HE1	2	0.26	0.02	0.26
(1,727)	1:62:A:VAL:HG13	1:177:A:PHE:HE2	2	0.26	0.02	0.26
(2,547)	1:87:A:THR:HG21	1:91:A:ALA:H	2	0.26	0.03	0.26
(2,547)	1:87:A:THR:HG22	1:91:A:ALA:H	2	0.26	0.03	0.26
(2,547)	1:87:A:THR:HG23	1:91:A:ALA:H	2	0.26	0.03	0.26
(1,445)	1:46:A:TYR:HE1	1:141:A:LYS:HE3	2	0.25	0.06	0.25
(1,445)	1:46:A:TYR:HE2	1:141:A:LYS:HE3	2	0.25	0.06	0.25
(1,728)	1:62:A:VAL:HG21	1:62:A:VAL:H	2	0.23	0.01	0.23
(1,728)	1:62:A:VAL:HG22	1:62:A:VAL:H	2	0.23	0.01	0.23
(1,728)	1:62:A:VAL:HG23	1:62:A:VAL:H	2	0.23	0.01	0.23
(2,552)	1:87:A:THR:H	1:92:A:LEU:HB2	2	0.23	0.02	0.23
(1,392)	1:44:A:ILE:HG21	1:158:A:ALA:H	2	0.22	0.02	0.22
(1,392)	1:44:A:ILE:HG22	1:158:A:ALA:H	2	0.22	0.02	0.22
(1,392)	1:44:A:ILE:HG23	1:158:A:ALA:H	2	0.22	0.02	0.22
(1,941)	1:71:A:LYS:HA	1:74:A:PHE:HD1	2	0.22	0.02	0.22
(1,941)	1:71:A:LYS:HA	1:74:A:PHE:HD2	2	0.22	0.02	0.22
(1,498)	1:48:A:ILE:HG21	1:50:A:TRP:HZ2	2	0.2	0.03	0.2
(1,498)	1:48:A:ILE:HG22	1:50:A:TRP:HZ2	2	0.2	0.03	0.2
(1,498)	1:48:A:ILE:HG23	1:50:A:TRP:HZ2	2	0.2	0.03	0.2
(2,625)	1:121:A:LEU:H	1:122:A:TYR:HD1	2	0.2	0.08	0.2
(2,625)	1:121:A:LEU:H	1:122:A:TYR:HD2	2	0.2	0.08	0.2
(1,1793)	1:128:A:TYR:HA	1:128:A:TYR:HB3	2	0.2	0.05	0.2
(1,461)	1:47:A:ALA:H	1:153:A:ILE:HG21	2	0.18	0.04	0.18
(1,461)	1:47:A:ALA:H	1:153:A:ILE:HG22	2	0.18	0.04	0.18
(1,461)	1:47:A:ALA:H	1:153:A:ILE:HG23	2	0.18	0.04	0.18
(1,912)	1:69:A:GLN:HG3	1:69:A:GLN:HE21	2	0.18	0.03	0.18
(1,46)	1:24:A:ASP:HB3	1:50:A:TRP:HB3	2	0.18	0.0	0.18
(1,1446)	1:90:A:THR:HA	1:93:A:GLY:H	2	0.18	0.04	0.18
(1,2272)	1:166:A:MET:HB2	1:167:A:LEU:H	2	0.18	0.0	0.18
(1,530)	1:49:A:VAL:H	1:152:A:ALA:HA	2	0.17	0.0	0.17
(1,989)	1:73:A:TYR:HD1	1:74:A:PHE:HE1	2	0.17	0.02	0.17
(1,989)	1:73:A:TYR:HD1	1:74:A:PHE:HE2	2	0.17	0.02	0.17
(1,989)	1:73:A:TYR:HD2	1:74:A:PHE:HE1	2	0.17	0.02	0.17
(1,989)	1:73:A:TYR:HD2	1:74:A:PHE:HE2	2	0.17	0.02	0.17
(1,2313)	1:171:A:LEU:HA	1:171:A:LEU:HD11	2	0.16	0.02	0.16
(1,2313)	1:171:A:LEU:HA	1:171:A:LEU:HD12	2	0.16	0.02	0.16
(1,2313)	1:171:A:LEU:HA	1:171:A:LEU:HD13	2	0.16	0.02	0.16
(2,760)	1:168:A:PHE:HE1	1:171:A:LEU:HG	2	0.16	0.02	0.16
(2,760)	1:168:A:PHE:HE2	1:171:A:LEU:HG	2	0.16	0.02	0.16
(1,337)	1:41:A:SER:HB2	1:42:A:ASP:HA	2	0.14	0.0	0.14
(1,1272)	1:82:A:THR:HG21	1:96:A:SER:HA	2	0.14	0.0	0.14
(1,1272)	1:82:A:THR:HG22	1:96:A:SER:HA	2	0.14	0.0	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1272)	1:82:A:THR:HG23	1:96:A:SER:HA	2	0.14	0.0	0.14
(1,1273)	1:82:A:THR:HG21	1:96:A:SER:HA	2	0.14	0.0	0.14
(1,1273)	1:82:A:THR:HG22	1:96:A:SER:HA	2	0.14	0.0	0.14
(1,1273)	1:82:A:THR:HG23	1:96:A:SER:HA	2	0.14	0.0	0.14
(1,1335)	1:85:A:TYR:HB2	1:86:A:GLU:H	2	0.14	0.0	0.14
(1,2276)	1:167:A:LEU:H	1:168:A:PHE:H	2	0.14	0.03	0.14
(2,12)	1:17:A:GLN:HB2	1:17:A:GLN:HE21	2	0.14	0.0	0.14
(1,259)	1:33:A:THR:HB	1:35:A:ALA:H	2	0.13	0.0	0.13
(1,863)	1:66:A:ASN:H	1:175:A:PHE:HA	2	0.13	0.01	0.13
(1,1100)	1:77:A:LEU:HG	1:78:A:GLN:H	2	0.13	0.02	0.13
(1,54)	1:24:A:ASP:HB2	1:50:A:TRP:HB2	2	0.12	0.02	0.12
(1,447)	1:46:A:TYR:HE1	1:141:A:LYS:HG3	2	0.12	0.02	0.12
(1,447)	1:46:A:TYR:HE2	1:141:A:LYS:HG3	2	0.12	0.02	0.12
(1,529)	1:49:A:VAL:H	1:151:A:VAL:HA	2	0.12	0.02	0.12
(1,1333)	1:85:A:TYR:HA	1:86:A:GLU:H	2	0.12	0.01	0.12
(1,254)	1:33:A:THR:HA	1:33:A:THR:HG21	2	0.12	0.0	0.12
(1,254)	1:33:A:THR:HA	1:33:A:THR:HG22	2	0.12	0.0	0.12
(1,254)	1:33:A:THR:HA	1:33:A:THR:HG23	2	0.12	0.0	0.12
(1,1086)	1:77:A:LEU:HB2	1:78:A:GLN:H	2	0.12	0.0	0.12
(1,1282)	1:82:A:THR:H	1:155:A:ASN:HB3	2	0.12	0.0	0.12
(1,1690)	1:115:A:LYS:HA	1:115:A:LYS:HG2	2	0.12	0.01	0.12
(1,1690)	1:115:A:LYS:HA	1:115:A:LYS:HG3	2	0.12	0.01	0.12
(1,1817)	1:131:A:THR:HB	1:132:A:SER:H	2	0.12	0.0	0.12
(1,2271)	1:166:A:MET:HB3	1:167:A:LEU:H	2	0.12	0.01	0.12
(2,26)	1:19:A:VAL:H	1:20:A:SER:HB2	2	0.12	0.0	0.12
(2,26)	1:19:A:VAL:H	1:20:A:SER:HB3	2	0.12	0.0	0.12
(1,1439)	1:88:A:ASN:H	1:134:A:TRP:HZ3	2	0.12	0.02	0.12
(1,1271)	1:82:A:THR:HG21	1:83:A:SER:H	2	0.12	0.0	0.12
(1,1271)	1:82:A:THR:HG22	1:83:A:SER:H	2	0.12	0.0	0.12
(1,1271)	1:82:A:THR:HG23	1:83:A:SER:H	2	0.12	0.0	0.12
(1,188)	1:30:A:GLY:H	1:46:A:TYR:H	2	0.11	0.0	0.11
(2,27)	1:19:A:VAL:H	1:20:A:SER:H	2	0.11	0.01	0.11
(2,123)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	2	0.11	0.0	0.11
(2,123)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	2	0.11	0.0	0.11
(1,141)	1:28:A:HIS:HD2	1:48:A:ILE:HA	2	0.11	0.0	0.11
(1,290)	1:37:A:GLY:HA3	1:38:A:ALA:H	2	0.11	0.0	0.11
(1,639)	1:57:A:ASP:HB3	1:58:A:VAL:H	2	0.11	0.0	0.11
(1,828)	1:66:A:ASN:HA	1:69:A:GLN:HG3	2	0.11	0.0	0.11
(1,1761)	1:119:A:ALA:H	1:151:A:VAL:H	2	0.11	0.0	0.11
(1,2295)	1:169:A:ASP:HB3	1:170:A:SER:H	2	0.11	0.0	0.11

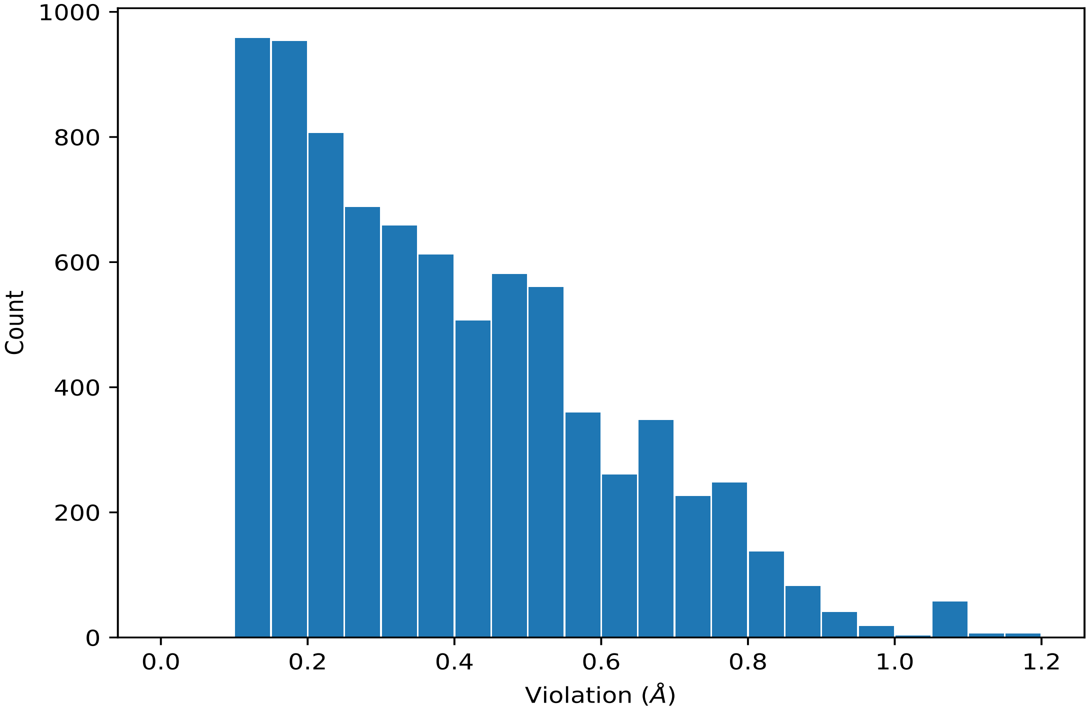
---

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

9.5 All violated distance restraints ⓘ

9.5.1 Histogram : Distribution of distance violations ⓘ

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 ⓘ

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)
(2,718)	1:142:A:ILE:HD11	1:145:A:TYR:HE1	6	1.18
(2,718)	1:142:A:ILE:HD11	1:145:A:TYR:HE2	6	1.18
(2,718)	1:142:A:ILE:HD12	1:145:A:TYR:HE1	6	1.18
(2,718)	1:142:A:ILE:HD12	1:145:A:TYR:HE2	6	1.18
(2,718)	1:142:A:ILE:HD13	1:145:A:TYR:HE1	6	1.18
(2,718)	1:142:A:ILE:HD13	1:145:A:TYR:HE2	6	1.18
(1,10)	1:19:A:VAL:HG11	1:19:A:VAL:H	5	1.11
(1,10)	1:19:A:VAL:HG12	1:19:A:VAL:H	5	1.11
(1,10)	1:19:A:VAL:HG13	1:19:A:VAL:H	5	1.11
(1,10)	1:19:A:VAL:HG21	1:19:A:VAL:H	5	1.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10)	1:19:A:VAL:HG22	1:19:A:VAL:H	5	1.11
(1,10)	1:19:A:VAL:HG23	1:19:A:VAL:H	5	1.11
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB1	4	1.08
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB2	4	1.08
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB3	4	1.08
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB1	4	1.08
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB2	4	1.08
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB3	4	1.08
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB1	9	1.08
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB2	9	1.08
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB3	9	1.08
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB1	9	1.08
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB2	9	1.08
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB3	9	1.08
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB1	1	1.07
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB2	1	1.07
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB3	1	1.07
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB1	1	1.07
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB2	1	1.07
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB3	1	1.07
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB1	7	1.07
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB2	7	1.07
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB3	7	1.07
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB1	7	1.07
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB2	7	1.07
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB3	7	1.07
(1,288)	1:36:A:ALA:HB1	1:37:A:GLY:H	7	1.07
(1,288)	1:36:A:ALA:HB2	1:37:A:GLY:H	7	1.07
(1,288)	1:36:A:ALA:HB3	1:37:A:GLY:H	7	1.07
(1,10)	1:19:A:VAL:HG11	1:19:A:VAL:H	4	1.07
(1,10)	1:19:A:VAL:HG12	1:19:A:VAL:H	4	1.07
(1,10)	1:19:A:VAL:HG13	1:19:A:VAL:H	4	1.07
(1,10)	1:19:A:VAL:HG21	1:19:A:VAL:H	4	1.07
(1,10)	1:19:A:VAL:HG22	1:19:A:VAL:H	4	1.07
(1,10)	1:19:A:VAL:HG23	1:19:A:VAL:H	4	1.07
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB1	5	1.06
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB2	5	1.06
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB3	5	1.06
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB1	5	1.06
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB2	5	1.06
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB3	5	1.06
(1,10)	1:19:A:VAL:HG11	1:19:A:VAL:H	8	1.06

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10)	1:19:A:VAL:HG12	1:19:A:VAL:H	8	1.06
(1,10)	1:19:A:VAL:HG13	1:19:A:VAL:H	8	1.06
(1,10)	1:19:A:VAL:HG21	1:19:A:VAL:H	8	1.06
(1,10)	1:19:A:VAL:HG22	1:19:A:VAL:H	8	1.06
(1,10)	1:19:A:VAL:HG23	1:19:A:VAL:H	8	1.06
(1,10)	1:19:A:VAL:HG11	1:19:A:VAL:H	9	1.06
(1,10)	1:19:A:VAL:HG12	1:19:A:VAL:H	9	1.06
(1,10)	1:19:A:VAL:HG13	1:19:A:VAL:H	9	1.06
(1,10)	1:19:A:VAL:HG21	1:19:A:VAL:H	9	1.06
(1,10)	1:19:A:VAL:HG22	1:19:A:VAL:H	9	1.06
(1,10)	1:19:A:VAL:HG23	1:19:A:VAL:H	9	1.06
(1,10)	1:19:A:VAL:HG11	1:19:A:VAL:H	7	1.05
(1,10)	1:19:A:VAL:HG12	1:19:A:VAL:H	7	1.05
(1,10)	1:19:A:VAL:HG13	1:19:A:VAL:H	7	1.05
(1,10)	1:19:A:VAL:HG21	1:19:A:VAL:H	7	1.05
(1,10)	1:19:A:VAL:HG22	1:19:A:VAL:H	7	1.05
(1,10)	1:19:A:VAL:HG23	1:19:A:VAL:H	7	1.05
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD11	2	1.01
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD12	2	1.01
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD13	2	1.01
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB1	3	0.98
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB2	3	0.98
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB3	3	0.98
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB1	3	0.98
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB2	3	0.98
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB3	3	0.98
(1,579)	1:51:A:ILE:HG21	1:53:A:ASP:HB2	7	0.97
(1,579)	1:51:A:ILE:HG21	1:53:A:ASP:HB3	7	0.97
(1,579)	1:51:A:ILE:HG22	1:53:A:ASP:HB2	7	0.97
(1,579)	1:51:A:ILE:HG22	1:53:A:ASP:HB3	7	0.97
(1,579)	1:51:A:ILE:HG23	1:53:A:ASP:HB2	7	0.97
(1,579)	1:51:A:ILE:HG23	1:53:A:ASP:HB3	7	0.97
(1,2017)	1:142:A:ILE:HG21	1:145:A:TYR:HE1	6	0.96
(1,2017)	1:142:A:ILE:HG21	1:145:A:TYR:HE2	6	0.96
(1,2017)	1:142:A:ILE:HG22	1:145:A:TYR:HE1	6	0.96
(1,2017)	1:142:A:ILE:HG22	1:145:A:TYR:HE2	6	0.96
(1,2017)	1:142:A:ILE:HG23	1:145:A:TYR:HE1	6	0.96
(1,2017)	1:142:A:ILE:HG23	1:145:A:TYR:HE2	6	0.96
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE1	4	0.94
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE2	4	0.94
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE1	4	0.94
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE2	4	0.94

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD21	3	0.93
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD22	3	0.93
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD21	3	0.93
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD22	3	0.93
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD1	9	0.93
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD2	9	0.93
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD1	9	0.93
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD2	9	0.93
(2,437)	1:76:A:TYR:HD1	1:104:A:LEU:HD11	10	0.93
(2,437)	1:76:A:TYR:HD1	1:104:A:LEU:HD12	10	0.93
(2,437)	1:76:A:TYR:HD1	1:104:A:LEU:HD13	10	0.93
(2,437)	1:76:A:TYR:HD2	1:104:A:LEU:HD11	10	0.93
(2,437)	1:76:A:TYR:HD2	1:104:A:LEU:HD12	10	0.93
(2,437)	1:76:A:TYR:HD2	1:104:A:LEU:HD13	10	0.93
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD21	6	0.93
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD22	6	0.93
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD21	6	0.93
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD22	6	0.93
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD21	6	0.93
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD22	6	0.93
(1,21)	1:22:A:PRO:HD2	1:23:A:ILE:H	3	0.93
(2,469)	1:79:A:ILE:HG21	1:157:A:LYS:H	6	0.92
(2,469)	1:79:A:ILE:HG22	1:157:A:LYS:H	6	0.92
(2,469)	1:79:A:ILE:HG23	1:157:A:LYS:H	6	0.92
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD21	10	0.91
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD22	10	0.91
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD21	10	0.91
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD22	10	0.91
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD21	10	0.91
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD22	10	0.91
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD21	5	0.9
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD22	5	0.9
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD21	5	0.9
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD22	5	0.9
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD21	5	0.9
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD22	5	0.9
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD1	10	0.89
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD2	10	0.89
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD1	10	0.89
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD2	10	0.89
(2,469)	1:79:A:ILE:HG21	1:157:A:LYS:H	1	0.89
(2,469)	1:79:A:ILE:HG22	1:157:A:LYS:H	1	0.89

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,469)	1:79:A:ILE:HG23	1:157:A:LYS:H	1	0.89
(2,469)	1:79:A:ILE:HG21	1:157:A:LYS:H	9	0.89
(2,469)	1:79:A:ILE:HG22	1:157:A:LYS:H	9	0.89
(2,469)	1:79:A:ILE:HG23	1:157:A:LYS:H	9	0.89
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD21	1	0.89
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD22	1	0.89
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD21	1	0.89
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD22	1	0.89
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD21	1	0.89
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD22	1	0.89
(2,469)	1:79:A:ILE:HG21	1:157:A:LYS:H	2	0.88
(2,469)	1:79:A:ILE:HG22	1:157:A:LYS:H	2	0.88
(2,469)	1:79:A:ILE:HG23	1:157:A:LYS:H	2	0.88
(2,469)	1:79:A:ILE:HG21	1:157:A:LYS:H	4	0.88
(2,469)	1:79:A:ILE:HG22	1:157:A:LYS:H	4	0.88
(2,469)	1:79:A:ILE:HG23	1:157:A:LYS:H	4	0.88
(2,469)	1:79:A:ILE:HG21	1:157:A:LYS:H	5	0.88
(2,469)	1:79:A:ILE:HG22	1:157:A:LYS:H	5	0.88
(2,469)	1:79:A:ILE:HG23	1:157:A:LYS:H	5	0.88
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD21	8	0.88
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD22	8	0.88
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD21	8	0.88
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD22	8	0.88
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD21	8	0.88
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD22	8	0.88
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB1	8	0.88
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB2	8	0.88
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB3	8	0.88
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB1	8	0.88
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB2	8	0.88
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB3	8	0.88
(2,469)	1:79:A:ILE:HG21	1:157:A:LYS:H	7	0.87
(2,469)	1:79:A:ILE:HG22	1:157:A:LYS:H	7	0.87
(2,469)	1:79:A:ILE:HG23	1:157:A:LYS:H	7	0.87
(2,466)	1:79:A:ILE:HG21	1:102:A:ILE:H	4	0.87
(2,466)	1:79:A:ILE:HG22	1:102:A:ILE:H	4	0.87
(2,466)	1:79:A:ILE:HG23	1:102:A:ILE:H	4	0.87
(2,466)	1:79:A:ILE:HG21	1:102:A:ILE:H	9	0.87
(2,466)	1:79:A:ILE:HG22	1:102:A:ILE:H	9	0.87
(2,466)	1:79:A:ILE:HG23	1:102:A:ILE:H	9	0.87
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD21	3	0.87
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD22	3	0.87

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD21	3	0.87
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD22	3	0.87
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD21	3	0.87
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD22	3	0.87
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD21	4	0.87
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD22	4	0.87
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD21	4	0.87
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD22	4	0.87
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD21	4	0.87
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD22	4	0.87
(1,579)	1:51:A:ILE:HG21	1:53:A:ASP:HB2	4	0.87
(1,579)	1:51:A:ILE:HG21	1:53:A:ASP:HB3	4	0.87
(1,579)	1:51:A:ILE:HG22	1:53:A:ASP:HB2	4	0.87
(1,579)	1:51:A:ILE:HG22	1:53:A:ASP:HB3	4	0.87
(1,579)	1:51:A:ILE:HG23	1:53:A:ASP:HB2	4	0.87
(1,579)	1:51:A:ILE:HG23	1:53:A:ASP:HB3	4	0.87
(2,469)	1:79:A:ILE:HG21	1:157:A:LYS:H	3	0.86
(2,469)	1:79:A:ILE:HG22	1:157:A:LYS:H	3	0.86
(2,469)	1:79:A:ILE:HG23	1:157:A:LYS:H	3	0.86
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD21	7	0.86
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD22	7	0.86
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD21	7	0.86
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD22	7	0.86
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD21	7	0.86
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD22	7	0.86
(2,469)	1:79:A:ILE:HG21	1:157:A:LYS:H	8	0.85
(2,469)	1:79:A:ILE:HG22	1:157:A:LYS:H	8	0.85
(2,469)	1:79:A:ILE:HG23	1:157:A:LYS:H	8	0.85
(2,469)	1:79:A:ILE:HG21	1:157:A:LYS:H	10	0.85
(2,469)	1:79:A:ILE:HG22	1:157:A:LYS:H	10	0.85
(2,469)	1:79:A:ILE:HG23	1:157:A:LYS:H	10	0.85
(1,288)	1:36:A:ALA:HB1	1:37:A:GLY:H	10	0.85
(1,288)	1:36:A:ALA:HB2	1:37:A:GLY:H	10	0.85
(1,288)	1:36:A:ALA:HB3	1:37:A:GLY:H	10	0.85
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD1	8	0.84
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD2	8	0.84
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD1	8	0.84
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD2	8	0.84
(2,466)	1:79:A:ILE:HG21	1:102:A:ILE:H	1	0.84
(2,466)	1:79:A:ILE:HG22	1:102:A:ILE:H	1	0.84
(2,466)	1:79:A:ILE:HG23	1:102:A:ILE:H	1	0.84
(2,466)	1:79:A:ILE:HG21	1:102:A:ILE:H	7	0.84

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,466)	1:79:A:ILE:HG22	1:102:A:ILE:H	7	0.84
(2,466)	1:79:A:ILE:HG23	1:102:A:ILE:H	7	0.84
(1,288)	1:36:A:ALA:HB1	1:37:A:GLY:H	3	0.84
(1,288)	1:36:A:ALA:HB2	1:37:A:GLY:H	3	0.84
(1,288)	1:36:A:ALA:HB3	1:37:A:GLY:H	3	0.84
(1,288)	1:36:A:ALA:HB1	1:37:A:GLY:H	9	0.84
(1,288)	1:36:A:ALA:HB2	1:37:A:GLY:H	9	0.84
(1,288)	1:36:A:ALA:HB3	1:37:A:GLY:H	9	0.84
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB1	10	0.83
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB2	10	0.83
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB3	10	0.83
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB1	10	0.83
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB2	10	0.83
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB3	10	0.83
(2,719)	1:142:A:ILE:HG21	1:145:A:TYR:HA	4	0.82
(2,719)	1:142:A:ILE:HG22	1:145:A:TYR:HA	4	0.82
(2,719)	1:142:A:ILE:HG23	1:145:A:TYR:HA	4	0.82
(2,466)	1:79:A:ILE:HG21	1:102:A:ILE:H	8	0.82
(2,466)	1:79:A:ILE:HG22	1:102:A:ILE:H	8	0.82
(2,466)	1:79:A:ILE:HG23	1:102:A:ILE:H	8	0.82
(1,1520)	1:100:A:ALA:HB1	1:111:A:ILE:HG21	7	0.82
(1,1520)	1:100:A:ALA:HB1	1:111:A:ILE:HG22	7	0.82
(1,1520)	1:100:A:ALA:HB1	1:111:A:ILE:HG23	7	0.82
(1,1520)	1:100:A:ALA:HB2	1:111:A:ILE:HG21	7	0.82
(1,1520)	1:100:A:ALA:HB2	1:111:A:ILE:HG22	7	0.82
(1,1520)	1:100:A:ALA:HB2	1:111:A:ILE:HG23	7	0.82
(1,1520)	1:100:A:ALA:HB3	1:111:A:ILE:HG21	7	0.82
(1,1520)	1:100:A:ALA:HB3	1:111:A:ILE:HG22	7	0.82
(1,1520)	1:100:A:ALA:HB3	1:111:A:ILE:HG23	7	0.82
(1,10)	1:19:A:VAL:HG11	1:19:A:VAL:H	10	0.82
(1,10)	1:19:A:VAL:HG12	1:19:A:VAL:H	10	0.82
(1,10)	1:19:A:VAL:HG13	1:19:A:VAL:H	10	0.82
(1,10)	1:19:A:VAL:HG21	1:19:A:VAL:H	10	0.82
(1,10)	1:19:A:VAL:HG22	1:19:A:VAL:H	10	0.82
(1,10)	1:19:A:VAL:HG23	1:19:A:VAL:H	10	0.82
(2,719)	1:142:A:ILE:HG21	1:145:A:TYR:HA	3	0.81
(2,719)	1:142:A:ILE:HG22	1:145:A:TYR:HA	3	0.81
(2,719)	1:142:A:ILE:HG23	1:145:A:TYR:HA	3	0.81
(2,466)	1:79:A:ILE:HG21	1:102:A:ILE:H	2	0.81
(2,466)	1:79:A:ILE:HG22	1:102:A:ILE:H	2	0.81
(2,466)	1:79:A:ILE:HG23	1:102:A:ILE:H	2	0.81
(2,466)	1:79:A:ILE:HG21	1:102:A:ILE:H	5	0.81

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,466)	1:79:A:ILE:HG22	1:102:A:ILE:H	5	0.81
(2,466)	1:79:A:ILE:HG23	1:102:A:ILE:H	5	0.81
(1,1520)	1:100:A:ALA:HB1	1:111:A:ILE:HG21	6	0.81
(1,1520)	1:100:A:ALA:HB1	1:111:A:ILE:HG22	6	0.81
(1,1520)	1:100:A:ALA:HB1	1:111:A:ILE:HG23	6	0.81
(1,1520)	1:100:A:ALA:HB2	1:111:A:ILE:HG21	6	0.81
(1,1520)	1:100:A:ALA:HB2	1:111:A:ILE:HG22	6	0.81
(1,1520)	1:100:A:ALA:HB2	1:111:A:ILE:HG23	6	0.81
(1,1520)	1:100:A:ALA:HB3	1:111:A:ILE:HG21	6	0.81
(1,1520)	1:100:A:ALA:HB3	1:111:A:ILE:HG22	6	0.81
(1,1520)	1:100:A:ALA:HB3	1:111:A:ILE:HG23	6	0.81
(1,288)	1:36:A:ALA:HB1	1:37:A:GLY:H	2	0.81
(1,288)	1:36:A:ALA:HB2	1:37:A:GLY:H	2	0.81
(1,288)	1:36:A:ALA:HB3	1:37:A:GLY:H	2	0.81
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD11	8	0.81
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD12	8	0.81
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD13	8	0.81
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE1	10	0.8
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE2	10	0.8
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE1	10	0.8
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE2	10	0.8
(2,467)	1:79:A:ILE:HG21	1:156:A:PHE:HA	1	0.8
(2,467)	1:79:A:ILE:HG22	1:156:A:PHE:HA	1	0.8
(2,467)	1:79:A:ILE:HG23	1:156:A:PHE:HA	1	0.8
(2,386)	1:70:A:LEU:HD11	1:172:A:PRO:HD2	9	0.8
(2,386)	1:70:A:LEU:HD12	1:172:A:PRO:HD2	9	0.8
(2,386)	1:70:A:LEU:HD13	1:172:A:PRO:HD2	9	0.8
(2,6)	1:16:A:ALA:HB1	1:17:A:GLN:H	1	0.8
(2,6)	1:16:A:ALA:HB2	1:17:A:GLN:H	1	0.8
(2,6)	1:16:A:ALA:HB3	1:17:A:GLN:H	1	0.8
(2,6)	1:16:A:ALA:HB1	1:17:A:GLN:H	2	0.8
(2,6)	1:16:A:ALA:HB2	1:17:A:GLN:H	2	0.8
(2,6)	1:16:A:ALA:HB3	1:17:A:GLN:H	2	0.8
(2,6)	1:16:A:ALA:HB1	1:17:A:GLN:H	3	0.8
(2,6)	1:16:A:ALA:HB2	1:17:A:GLN:H	3	0.8
(2,6)	1:16:A:ALA:HB3	1:17:A:GLN:H	3	0.8
(2,6)	1:16:A:ALA:HB1	1:17:A:GLN:H	5	0.8
(2,6)	1:16:A:ALA:HB2	1:17:A:GLN:H	5	0.8
(2,6)	1:16:A:ALA:HB3	1:17:A:GLN:H	5	0.8
(2,6)	1:16:A:ALA:HB1	1:17:A:GLN:H	6	0.8
(2,6)	1:16:A:ALA:HB2	1:17:A:GLN:H	6	0.8
(2,6)	1:16:A:ALA:HB3	1:17:A:GLN:H	6	0.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:16:A:ALA:HB1	1:17:A:GLN:H	7	0.8
(2,6)	1:16:A:ALA:HB2	1:17:A:GLN:H	7	0.8
(2,6)	1:16:A:ALA:HB3	1:17:A:GLN:H	7	0.8
(2,6)	1:16:A:ALA:HB1	1:17:A:GLN:H	8	0.8
(2,6)	1:16:A:ALA:HB2	1:17:A:GLN:H	8	0.8
(2,6)	1:16:A:ALA:HB3	1:17:A:GLN:H	8	0.8
(2,6)	1:16:A:ALA:HB1	1:17:A:GLN:H	10	0.8
(2,6)	1:16:A:ALA:HB2	1:17:A:GLN:H	10	0.8
(2,6)	1:16:A:ALA:HB3	1:17:A:GLN:H	10	0.8
(1,1241)	1:81:A:ILE:HG21	1:156:A:PHE:HD1	1	0.8
(1,1241)	1:81:A:ILE:HG21	1:156:A:PHE:HD2	1	0.8
(1,1241)	1:81:A:ILE:HG22	1:156:A:PHE:HD1	1	0.8
(1,1241)	1:81:A:ILE:HG22	1:156:A:PHE:HD2	1	0.8
(1,1241)	1:81:A:ILE:HG23	1:156:A:PHE:HD1	1	0.8
(1,1241)	1:81:A:ILE:HG23	1:156:A:PHE:HD2	1	0.8
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB1	2	0.8
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB2	2	0.8
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB3	2	0.8
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB1	2	0.8
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB2	2	0.8
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB3	2	0.8
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB1	2	0.8
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB2	2	0.8
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB3	2	0.8
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD11	5	0.8
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD12	5	0.8
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD13	5	0.8
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD11	5	0.8
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD12	5	0.8
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD13	5	0.8
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD11	5	0.8
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD12	5	0.8
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD13	5	0.8
(1,223)	1:32:A:ILE:HD11	1:160:A:TYR:HE1	6	0.8
(1,223)	1:32:A:ILE:HD11	1:160:A:TYR:HE2	6	0.8
(1,223)	1:32:A:ILE:HD12	1:160:A:TYR:HE1	6	0.8
(1,223)	1:32:A:ILE:HD12	1:160:A:TYR:HE2	6	0.8
(1,223)	1:32:A:ILE:HD13	1:160:A:TYR:HE1	6	0.8
(1,223)	1:32:A:ILE:HD13	1:160:A:TYR:HE2	6	0.8
(1,10)	1:19:A:VAL:HG11	1:19:A:VAL:H	2	0.8
(1,10)	1:19:A:VAL:HG12	1:19:A:VAL:H	2	0.8
(1,10)	1:19:A:VAL:HG13	1:19:A:VAL:H	2	0.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10)	1:19:A:VAL:HG21	1:19:A:VAL:H	2	0.8
(1,10)	1:19:A:VAL:HG22	1:19:A:VAL:H	2	0.8
(1,10)	1:19:A:VAL:HG23	1:19:A:VAL:H	2	0.8
(2,719)	1:142:A:ILE:HG21	1:145:A:TYR:HA	10	0.79
(2,719)	1:142:A:ILE:HG22	1:145:A:TYR:HA	10	0.79
(2,719)	1:142:A:ILE:HG23	1:145:A:TYR:HA	10	0.79
(2,466)	1:79:A:ILE:HG21	1:102:A:ILE:H	10	0.79
(2,466)	1:79:A:ILE:HG22	1:102:A:ILE:H	10	0.79
(2,466)	1:79:A:ILE:HG23	1:102:A:ILE:H	10	0.79
(2,6)	1:16:A:ALA:HB1	1:17:A:GLN:H	4	0.79
(2,6)	1:16:A:ALA:HB2	1:17:A:GLN:H	4	0.79
(2,6)	1:16:A:ALA:HB3	1:17:A:GLN:H	4	0.79
(2,4)	1:15:A:THR:HG21	1:16:A:ALA:H	9	0.79
(2,4)	1:15:A:THR:HG22	1:16:A:ALA:H	9	0.79
(2,4)	1:15:A:THR:HG23	1:16:A:ALA:H	9	0.79
(1,579)	1:51:A:ILE:HG21	1:53:A:ASP:HB2	6	0.79
(1,579)	1:51:A:ILE:HG21	1:53:A:ASP:HB3	6	0.79
(1,579)	1:51:A:ILE:HG22	1:53:A:ASP:HB2	6	0.79
(1,579)	1:51:A:ILE:HG22	1:53:A:ASP:HB3	6	0.79
(1,579)	1:51:A:ILE:HG23	1:53:A:ASP:HB2	6	0.79
(1,579)	1:51:A:ILE:HG23	1:53:A:ASP:HB3	6	0.79
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD11	10	0.79
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD12	10	0.79
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD13	10	0.79
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD11	10	0.79
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD12	10	0.79
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD13	10	0.79
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD11	10	0.79
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD12	10	0.79
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD13	10	0.79
(1,288)	1:36:A:ALA:HB1	1:37:A:GLY:H	4	0.79
(1,288)	1:36:A:ALA:HB2	1:37:A:GLY:H	4	0.79
(1,288)	1:36:A:ALA:HB3	1:37:A:GLY:H	4	0.79
(2,719)	1:142:A:ILE:HG21	1:145:A:TYR:HA	7	0.78
(2,719)	1:142:A:ILE:HG22	1:145:A:TYR:HA	7	0.78
(2,719)	1:142:A:ILE:HG23	1:145:A:TYR:HA	7	0.78
(2,719)	1:142:A:ILE:HG21	1:145:A:TYR:HA	8	0.78
(2,719)	1:142:A:ILE:HG22	1:145:A:TYR:HA	8	0.78
(2,719)	1:142:A:ILE:HG23	1:145:A:TYR:HA	8	0.78
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE1	8	0.78
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE2	8	0.78
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE1	8	0.78

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE2	8	0.78
(2,467)	1:79:A:ILE:HG21	1:156:A:PHE:HA	2	0.78
(2,467)	1:79:A:ILE:HG22	1:156:A:PHE:HA	2	0.78
(2,467)	1:79:A:ILE:HG23	1:156:A:PHE:HA	2	0.78
(2,467)	1:79:A:ILE:HG21	1:156:A:PHE:HA	5	0.78
(2,467)	1:79:A:ILE:HG22	1:156:A:PHE:HA	5	0.78
(2,467)	1:79:A:ILE:HG23	1:156:A:PHE:HA	5	0.78
(2,467)	1:79:A:ILE:HG21	1:156:A:PHE:HA	9	0.78
(2,467)	1:79:A:ILE:HG22	1:156:A:PHE:HA	9	0.78
(2,467)	1:79:A:ILE:HG23	1:156:A:PHE:HA	9	0.78
(2,466)	1:79:A:ILE:HG21	1:102:A:ILE:H	3	0.78
(2,466)	1:79:A:ILE:HG22	1:102:A:ILE:H	3	0.78
(2,466)	1:79:A:ILE:HG23	1:102:A:ILE:H	3	0.78
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG21	3	0.78
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG22	3	0.78
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG23	3	0.78
(2,6)	1:16:A:ALA:HB1	1:17:A:GLN:H	9	0.78
(2,6)	1:16:A:ALA:HB2	1:17:A:GLN:H	9	0.78
(2,6)	1:16:A:ALA:HB3	1:17:A:GLN:H	9	0.78
(1,1242)	1:81:A:ILE:HG21	1:156:A:PHE:HE1	1	0.78
(1,1242)	1:81:A:ILE:HG21	1:156:A:PHE:HE2	1	0.78
(1,1242)	1:81:A:ILE:HG22	1:156:A:PHE:HE1	1	0.78
(1,1242)	1:81:A:ILE:HG22	1:156:A:PHE:HE2	1	0.78
(1,1242)	1:81:A:ILE:HG23	1:156:A:PHE:HE1	1	0.78
(1,1242)	1:81:A:ILE:HG23	1:156:A:PHE:HE2	1	0.78
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD11	6	0.78
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD12	6	0.78
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD13	6	0.78
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD11	6	0.78
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD12	6	0.78
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD13	6	0.78
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD11	6	0.78
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD12	6	0.78
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD13	6	0.78
(1,261)	1:33:A:THR:HG21	1:34:A:PRO:HD2	3	0.78
(1,261)	1:33:A:THR:HG22	1:34:A:PRO:HD2	3	0.78
(1,261)	1:33:A:THR:HG23	1:34:A:PRO:HD2	3	0.78
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD11	2	0.78
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD12	2	0.78
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD13	2	0.78
(1,10)	1:19:A:VAL:HG11	1:19:A:VAL:H	6	0.78
(1,10)	1:19:A:VAL:HG12	1:19:A:VAL:H	6	0.78

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10)	1:19:A:VAL:HG13	1:19:A:VAL:H	6	0.78
(1,10)	1:19:A:VAL:HG21	1:19:A:VAL:H	6	0.78
(1,10)	1:19:A:VAL:HG22	1:19:A:VAL:H	6	0.78
(1,10)	1:19:A:VAL:HG23	1:19:A:VAL:H	6	0.78
(2,719)	1:142:A:ILE:HG21	1:145:A:TYR:HA	1	0.77
(2,719)	1:142:A:ILE:HG22	1:145:A:TYR:HA	1	0.77
(2,719)	1:142:A:ILE:HG23	1:145:A:TYR:HA	1	0.77
(2,719)	1:142:A:ILE:HG21	1:145:A:TYR:HA	2	0.77
(2,719)	1:142:A:ILE:HG22	1:145:A:TYR:HA	2	0.77
(2,719)	1:142:A:ILE:HG23	1:145:A:TYR:HA	2	0.77
(2,490)	1:81:A:ILE:HD11	1:101:A:VAL:H	2	0.77
(2,490)	1:81:A:ILE:HD12	1:101:A:VAL:H	2	0.77
(2,490)	1:81:A:ILE:HD13	1:101:A:VAL:H	2	0.77
(2,466)	1:79:A:ILE:HG21	1:102:A:ILE:H	6	0.77
(2,466)	1:79:A:ILE:HG22	1:102:A:ILE:H	6	0.77
(2,466)	1:79:A:ILE:HG23	1:102:A:ILE:H	6	0.77
(2,389)	1:70:A:LEU:HD21	1:172:A:PRO:HD2	2	0.77
(2,389)	1:70:A:LEU:HD22	1:172:A:PRO:HD2	2	0.77
(2,389)	1:70:A:LEU:HD23	1:172:A:PRO:HD2	2	0.77
(2,389)	1:70:A:LEU:HD21	1:172:A:PRO:HD2	3	0.77
(2,389)	1:70:A:LEU:HD22	1:172:A:PRO:HD2	3	0.77
(2,389)	1:70:A:LEU:HD23	1:172:A:PRO:HD2	3	0.77
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG21	10	0.77
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG22	10	0.77
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG23	10	0.77
(2,4)	1:15:A:THR:HG21	1:16:A:ALA:H	6	0.77
(2,4)	1:15:A:THR:HG22	1:16:A:ALA:H	6	0.77
(2,4)	1:15:A:THR:HG23	1:16:A:ALA:H	6	0.77
(2,4)	1:15:A:THR:HG21	1:16:A:ALA:H	8	0.77
(2,4)	1:15:A:THR:HG22	1:16:A:ALA:H	8	0.77
(2,4)	1:15:A:THR:HG23	1:16:A:ALA:H	8	0.77
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB1	6	0.77
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB2	6	0.77
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB3	6	0.77
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB1	6	0.77
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB2	6	0.77
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB3	6	0.77
(1,261)	1:33:A:THR:HG21	1:34:A:PRO:HD2	6	0.77
(1,261)	1:33:A:THR:HG22	1:34:A:PRO:HD2	6	0.77
(1,261)	1:33:A:THR:HG23	1:34:A:PRO:HD2	6	0.77
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD11	6	0.77
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD12	6	0.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD13	6	0.77
(1,10)	1:19:A:VAL:HG11	1:19:A:VAL:H	1	0.77
(1,10)	1:19:A:VAL:HG12	1:19:A:VAL:H	1	0.77
(1,10)	1:19:A:VAL:HG13	1:19:A:VAL:H	1	0.77
(1,10)	1:19:A:VAL:HG21	1:19:A:VAL:H	1	0.77
(1,10)	1:19:A:VAL:HG22	1:19:A:VAL:H	1	0.77
(1,10)	1:19:A:VAL:HG23	1:19:A:VAL:H	1	0.77
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD21	2	0.76
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD22	2	0.76
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD23	2	0.76
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD11	2	0.76
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD12	2	0.76
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD13	2	0.76
(2,754)	1:167:A:LEU:HD21	1:167:A:LEU:H	2	0.76
(2,754)	1:167:A:LEU:HD22	1:167:A:LEU:H	2	0.76
(2,754)	1:167:A:LEU:HD23	1:167:A:LEU:H	2	0.76
(2,753)	1:167:A:LEU:HD11	1:167:A:LEU:H	2	0.76
(2,753)	1:167:A:LEU:HD12	1:167:A:LEU:H	2	0.76
(2,753)	1:167:A:LEU:HD13	1:167:A:LEU:H	2	0.76
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD1	8	0.76
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD2	8	0.76
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD1	8	0.76
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD2	8	0.76
(2,719)	1:142:A:ILE:HG21	1:145:A:TYR:HA	6	0.76
(2,719)	1:142:A:ILE:HG22	1:145:A:TYR:HA	6	0.76
(2,719)	1:142:A:ILE:HG23	1:145:A:TYR:HA	6	0.76
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD1	2	0.76
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD2	2	0.76
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD1	2	0.76
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD2	2	0.76
(2,467)	1:79:A:ILE:HG21	1:156:A:PHE:HA	6	0.76
(2,467)	1:79:A:ILE:HG22	1:156:A:PHE:HA	6	0.76
(2,467)	1:79:A:ILE:HG23	1:156:A:PHE:HA	6	0.76
(2,467)	1:79:A:ILE:HG21	1:156:A:PHE:HA	7	0.76
(2,467)	1:79:A:ILE:HG22	1:156:A:PHE:HA	7	0.76
(2,467)	1:79:A:ILE:HG23	1:156:A:PHE:HA	7	0.76
(2,389)	1:70:A:LEU:HD21	1:172:A:PRO:HD2	4	0.76
(2,389)	1:70:A:LEU:HD22	1:172:A:PRO:HD2	4	0.76
(2,389)	1:70:A:LEU:HD23	1:172:A:PRO:HD2	4	0.76
(2,389)	1:70:A:LEU:HD21	1:172:A:PRO:HD2	10	0.76
(2,389)	1:70:A:LEU:HD22	1:172:A:PRO:HD2	10	0.76
(2,389)	1:70:A:LEU:HD23	1:172:A:PRO:HD2	10	0.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG21	5	0.76
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG22	5	0.76
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG23	5	0.76
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG21	7	0.76
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG22	7	0.76
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG23	7	0.76
(2,7)	1:16:A:ALA:HB1	1:18:A:ALA:H	10	0.76
(2,7)	1:16:A:ALA:HB2	1:18:A:ALA:H	10	0.76
(2,7)	1:16:A:ALA:HB3	1:18:A:ALA:H	10	0.76
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD1	9	0.76
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD2	9	0.76
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD1	9	0.76
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD2	9	0.76
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD1	9	0.76
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD2	9	0.76
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD11	9	0.76
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD12	9	0.76
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD13	9	0.76
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD11	9	0.76
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD12	9	0.76
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD13	9	0.76
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD11	9	0.76
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD12	9	0.76
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD13	9	0.76
(1,287)	1:36:A:ALA:HB1	1:36:A:ALA:H	1	0.76
(1,287)	1:36:A:ALA:HB2	1:36:A:ALA:H	1	0.76
(1,287)	1:36:A:ALA:HB3	1:36:A:ALA:H	1	0.76
(1,261)	1:33:A:THR:HG21	1:34:A:PRO:HD2	1	0.76
(1,261)	1:33:A:THR:HG22	1:34:A:PRO:HD2	1	0.76
(1,261)	1:33:A:THR:HG23	1:34:A:PRO:HD2	1	0.76
(1,261)	1:33:A:THR:HG21	1:34:A:PRO:HD2	9	0.76
(1,261)	1:33:A:THR:HG22	1:34:A:PRO:HD2	9	0.76
(1,261)	1:33:A:THR:HG23	1:34:A:PRO:HD2	9	0.76
(1,10)	1:19:A:VAL:HG11	1:19:A:VAL:H	3	0.76
(1,10)	1:19:A:VAL:HG12	1:19:A:VAL:H	3	0.76
(1,10)	1:19:A:VAL:HG13	1:19:A:VAL:H	3	0.76
(1,10)	1:19:A:VAL:HG21	1:19:A:VAL:H	3	0.76
(1,10)	1:19:A:VAL:HG22	1:19:A:VAL:H	3	0.76
(1,10)	1:19:A:VAL:HG23	1:19:A:VAL:H	3	0.76
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD11	6	0.75
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD12	6	0.75
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD13	6	0.75

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD1	6	0.75
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD2	6	0.75
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD1	6	0.75
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD2	6	0.75
(2,490)	1:81:A:ILE:HD11	1:101:A:VAL:H	7	0.75
(2,490)	1:81:A:ILE:HD12	1:101:A:VAL:H	7	0.75
(2,490)	1:81:A:ILE:HD13	1:101:A:VAL:H	7	0.75
(2,194)	1:38:A:ALA:HB1	1:39:A:GLN:HE21	2	0.75
(2,194)	1:38:A:ALA:HB2	1:39:A:GLN:HE21	2	0.75
(2,194)	1:38:A:ALA:HB3	1:39:A:GLN:HE21	2	0.75
(2,94)	1:23:A:ILE:HD11	1:53:A:ASP:H	7	0.75
(2,94)	1:23:A:ILE:HD12	1:53:A:ASP:H	7	0.75
(2,94)	1:23:A:ILE:HD13	1:53:A:ASP:H	7	0.75
(2,5)	1:16:A:ALA:HB1	1:17:A:GLN:HE21	6	0.75
(2,5)	1:16:A:ALA:HB2	1:17:A:GLN:HE21	6	0.75
(2,5)	1:16:A:ALA:HB3	1:17:A:GLN:HE21	6	0.75
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE1	2	0.75
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE2	2	0.75
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE1	2	0.75
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE2	2	0.75
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE1	2	0.75
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE2	2	0.75
(1,1457)	1:92:A:LEU:HD11	1:93:A:GLY:H	8	0.75
(1,1457)	1:92:A:LEU:HD12	1:93:A:GLY:H	8	0.75
(1,1457)	1:92:A:LEU:HD13	1:93:A:GLY:H	8	0.75
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD1	2	0.75
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD2	2	0.75
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD1	2	0.75
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD2	2	0.75
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD1	2	0.75
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD2	2	0.75
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD1	10	0.75
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD2	10	0.75
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD1	10	0.75
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD2	10	0.75
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD1	10	0.75
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD2	10	0.75
(1,6)	1:18:A:ALA:HB1	1:19:A:VAL:H	2	0.75
(1,6)	1:18:A:ALA:HB2	1:19:A:VAL:H	2	0.75
(1,6)	1:18:A:ALA:HB3	1:19:A:VAL:H	2	0.75
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE1	5	0.74
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE2	5	0.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE1	5	0.74
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE2	5	0.74
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE1	5	0.74
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE2	5	0.74
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE1	7	0.74
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE2	7	0.74
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE1	7	0.74
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE2	7	0.74
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE1	7	0.74
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE2	7	0.74
(1,2010)	1:142:A:ILE:HD11	1:145:A:TYR:HD1	5	0.74
(1,2010)	1:142:A:ILE:HD11	1:145:A:TYR:HD2	5	0.74
(1,2010)	1:142:A:ILE:HD12	1:145:A:TYR:HD1	5	0.74
(1,2010)	1:142:A:ILE:HD12	1:145:A:TYR:HD2	5	0.74
(1,2010)	1:142:A:ILE:HD13	1:145:A:TYR:HD1	5	0.74
(1,2010)	1:142:A:ILE:HD13	1:145:A:TYR:HD2	5	0.74
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB1	7	0.74
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB2	7	0.74
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB3	7	0.74
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB1	7	0.74
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB2	7	0.74
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB3	7	0.74
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB1	7	0.74
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB2	7	0.74
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB3	7	0.74
(1,261)	1:33:A:THR:HG21	1:34:A:PRO:HD2	5	0.74
(1,261)	1:33:A:THR:HG22	1:34:A:PRO:HD2	5	0.74
(1,261)	1:33:A:THR:HG23	1:34:A:PRO:HD2	5	0.74
(1,261)	1:33:A:THR:HG21	1:34:A:PRO:HD2	10	0.74
(1,261)	1:33:A:THR:HG22	1:34:A:PRO:HD2	10	0.74
(1,261)	1:33:A:THR:HG23	1:34:A:PRO:HD2	10	0.74
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD21	1	0.73
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD22	1	0.73
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD21	1	0.73
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD22	1	0.73
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD21	4	0.73
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD22	4	0.73
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD21	4	0.73
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD22	4	0.73
(2,467)	1:79:A:ILE:HG21	1:156:A:PHE:HA	3	0.73
(2,467)	1:79:A:ILE:HG22	1:156:A:PHE:HA	3	0.73
(2,467)	1:79:A:ILE:HG23	1:156:A:PHE:HA	3	0.73

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG21	4	0.73
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG22	4	0.73
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG23	4	0.73
(2,4)	1:15:A:THR:HG21	1:16:A:ALA:H	4	0.73
(2,4)	1:15:A:THR:HG22	1:16:A:ALA:H	4	0.73
(2,4)	1:15:A:THR:HG23	1:16:A:ALA:H	4	0.73
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE1	3	0.73
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE2	3	0.73
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE1	3	0.73
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE2	3	0.73
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE1	3	0.73
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE2	3	0.73
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE1	4	0.73
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE2	4	0.73
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE1	4	0.73
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE2	4	0.73
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE1	4	0.73
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE2	4	0.73
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE1	8	0.73
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE2	8	0.73
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE1	8	0.73
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE2	8	0.73
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE1	8	0.73
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE2	8	0.73
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE1	9	0.73
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE2	9	0.73
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE1	9	0.73
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE2	9	0.73
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE1	9	0.73
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE2	9	0.73
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE1	10	0.73
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE2	10	0.73
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE1	10	0.73
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE2	10	0.73
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE1	10	0.73
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE2	10	0.73
(1,2324)	1:171:A:LEU:HD21	1:171:A:LEU:H	8	0.73
(1,2324)	1:171:A:LEU:HD22	1:171:A:LEU:H	8	0.73
(1,2324)	1:171:A:LEU:HD23	1:171:A:LEU:H	8	0.73
(1,282)	1:35:A:ALA:HB1	1:36:A:ALA:H	10	0.73
(1,282)	1:35:A:ALA:HB2	1:36:A:ALA:H	10	0.73
(1,282)	1:35:A:ALA:HB3	1:36:A:ALA:H	10	0.73

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD11	5	0.73
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD12	5	0.73
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD13	5	0.73
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD11	9	0.73
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD12	9	0.73
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD13	9	0.73
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE1	1	0.72
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE2	1	0.72
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE1	1	0.72
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE2	1	0.72
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD1	7	0.72
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD2	7	0.72
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD1	7	0.72
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD2	7	0.72
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE1	1	0.72
(1,2357)	1:173:A:VAL:HG21	1:175:A:PHE:HE2	1	0.72
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE1	1	0.72
(1,2357)	1:173:A:VAL:HG22	1:175:A:PHE:HE2	1	0.72
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE1	1	0.72
(1,2357)	1:173:A:VAL:HG23	1:175:A:PHE:HE2	1	0.72
(1,2032)	1:143:A:ILE:HG21	1:144:A:VAL:H	4	0.72
(1,2032)	1:143:A:ILE:HG22	1:144:A:VAL:H	4	0.72
(1,2032)	1:143:A:ILE:HG23	1:144:A:VAL:H	4	0.72
(1,2032)	1:143:A:ILE:HG21	1:144:A:VAL:H	5	0.72
(1,2032)	1:143:A:ILE:HG22	1:144:A:VAL:H	5	0.72
(1,2032)	1:143:A:ILE:HG23	1:144:A:VAL:H	5	0.72
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB1	6	0.72
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB2	6	0.72
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB3	6	0.72
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB1	6	0.72
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB2	6	0.72
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB3	6	0.72
(1,288)	1:36:A:ALA:HB1	1:37:A:GLY:H	5	0.72
(1,288)	1:36:A:ALA:HB2	1:37:A:GLY:H	5	0.72
(1,288)	1:36:A:ALA:HB3	1:37:A:GLY:H	5	0.72
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD11	1	0.72
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD12	1	0.72
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD13	1	0.72
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD11	7	0.72
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD12	7	0.72
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD13	7	0.72
(2,614)	1:118:A:ILE:HG21	1:151:A:VAL:HA	8	0.71

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,614)	1:118:A:ILE:HG22	1:151:A:VAL:HA	8	0.71
(2,614)	1:118:A:ILE:HG23	1:151:A:VAL:HA	8	0.71
(2,467)	1:79:A:ILE:HG21	1:156:A:PHE:HA	8	0.71
(2,467)	1:79:A:ILE:HG22	1:156:A:PHE:HA	8	0.71
(2,467)	1:79:A:ILE:HG23	1:156:A:PHE:HA	8	0.71
(1,288)	1:36:A:ALA:HB1	1:37:A:GLY:H	6	0.71
(1,288)	1:36:A:ALA:HB2	1:37:A:GLY:H	6	0.71
(1,288)	1:36:A:ALA:HB3	1:37:A:GLY:H	6	0.71
(1,261)	1:33:A:THR:HG21	1:34:A:PRO:HD2	7	0.71
(1,261)	1:33:A:THR:HG22	1:34:A:PRO:HD2	7	0.71
(1,261)	1:33:A:THR:HG23	1:34:A:PRO:HD2	7	0.71
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD11	1	0.71
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD12	1	0.71
(1,206)	1:32:A:ILE:HA	1:32:A:ILE:HD13	1	0.71
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD11	4	0.71
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD12	4	0.71
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD13	4	0.71
(1,6)	1:18:A:ALA:HB1	1:19:A:VAL:H	1	0.71
(1,6)	1:18:A:ALA:HB2	1:19:A:VAL:H	1	0.71
(1,6)	1:18:A:ALA:HB3	1:19:A:VAL:H	1	0.71
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG21	2	0.7
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG22	2	0.7
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG23	2	0.7
(2,7)	1:16:A:ALA:HB1	1:18:A:ALA:H	9	0.7
(2,7)	1:16:A:ALA:HB2	1:18:A:ALA:H	9	0.7
(2,7)	1:16:A:ALA:HB3	1:18:A:ALA:H	9	0.7
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE1	3	0.7
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE2	3	0.7
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE1	3	0.7
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE2	3	0.7
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE1	3	0.7
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE2	3	0.7
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB1	10	0.7
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB2	10	0.7
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB3	10	0.7
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB1	10	0.7
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB2	10	0.7
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB3	10	0.7
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB1	10	0.7
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB2	10	0.7
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB3	10	0.7
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB1	3	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB2	3	0.7
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB3	3	0.7
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB1	3	0.7
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB2	3	0.7
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB3	3	0.7
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB1	3	0.7
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB2	3	0.7
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB3	3	0.7
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB1	9	0.7
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB2	9	0.7
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB3	9	0.7
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB1	9	0.7
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB2	9	0.7
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB3	9	0.7
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB1	9	0.7
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB2	9	0.7
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB3	9	0.7
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD11	7	0.7
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD12	7	0.7
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD13	7	0.7
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD11	7	0.7
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD12	7	0.7
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD13	7	0.7
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD11	7	0.7
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD12	7	0.7
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD13	7	0.7
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE1	1	0.7
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE2	1	0.7
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE1	1	0.7
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE2	1	0.7
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE1	1	0.7
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE2	1	0.7
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD11	3	0.7
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD12	3	0.7
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD13	3	0.7
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD11	8	0.7
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD12	8	0.7
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD13	8	0.7
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD11	9	0.7
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD12	9	0.7
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD13	9	0.7
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD11	10	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD12	10	0.7
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD13	10	0.7
(1,6)	1:18:A:ALA:HB1	1:19:A:VAL:H	3	0.7
(1,6)	1:18:A:ALA:HB2	1:19:A:VAL:H	3	0.7
(1,6)	1:18:A:ALA:HB3	1:19:A:VAL:H	3	0.7
(1,6)	1:18:A:ALA:HB1	1:19:A:VAL:H	5	0.7
(1,6)	1:18:A:ALA:HB2	1:19:A:VAL:H	5	0.7
(1,6)	1:18:A:ALA:HB3	1:19:A:VAL:H	5	0.7
(1,6)	1:18:A:ALA:HB1	1:19:A:VAL:H	8	0.7
(1,6)	1:18:A:ALA:HB2	1:19:A:VAL:H	8	0.7
(1,6)	1:18:A:ALA:HB3	1:19:A:VAL:H	8	0.7
(1,6)	1:18:A:ALA:HB1	1:19:A:VAL:H	9	0.7
(1,6)	1:18:A:ALA:HB2	1:19:A:VAL:H	9	0.7
(1,6)	1:18:A:ALA:HB3	1:19:A:VAL:H	9	0.7
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD21	5	0.69
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD22	5	0.69
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD21	5	0.69
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD22	5	0.69
(1,1243)	1:81:A:ILE:HG21	1:156:A:PHE:HZ	4	0.69
(1,1243)	1:81:A:ILE:HG22	1:156:A:PHE:HZ	4	0.69
(1,1243)	1:81:A:ILE:HG23	1:156:A:PHE:HZ	4	0.69
(1,992)	1:73:A:TYR:HE1	1:171:A:LEU:HD21	10	0.69
(1,992)	1:73:A:TYR:HE1	1:171:A:LEU:HD22	10	0.69
(1,992)	1:73:A:TYR:HE1	1:171:A:LEU:HD23	10	0.69
(1,992)	1:73:A:TYR:HE2	1:171:A:LEU:HD21	10	0.69
(1,992)	1:73:A:TYR:HE2	1:171:A:LEU:HD22	10	0.69
(1,992)	1:73:A:TYR:HE2	1:171:A:LEU:HD23	10	0.69
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB2	10	0.69
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB3	10	0.69
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB2	10	0.69
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB3	10	0.69
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB2	10	0.69
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB3	10	0.69
(1,261)	1:33:A:THR:HG21	1:34:A:PRO:HD2	2	0.69
(1,261)	1:33:A:THR:HG22	1:34:A:PRO:HD2	2	0.69
(1,261)	1:33:A:THR:HG23	1:34:A:PRO:HD2	2	0.69
(1,261)	1:33:A:THR:HG21	1:34:A:PRO:HD2	8	0.69
(1,261)	1:33:A:THR:HG22	1:34:A:PRO:HD2	8	0.69
(1,261)	1:33:A:THR:HG23	1:34:A:PRO:HD2	8	0.69
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD11	6	0.69
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD12	6	0.69
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD13	6	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:18:A:ALA:HB1	1:19:A:VAL:H	6	0.69
(1,6)	1:18:A:ALA:HB2	1:19:A:VAL:H	6	0.69
(1,6)	1:18:A:ALA:HB3	1:19:A:VAL:H	6	0.69
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD1	6	0.68
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD2	6	0.68
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD1	6	0.68
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD2	6	0.68
(2,184)	1:37:A:GLY:H	1:38:A:ALA:HB1	9	0.68
(2,184)	1:37:A:GLY:H	1:38:A:ALA:HB2	9	0.68
(2,184)	1:37:A:GLY:H	1:38:A:ALA:HB3	9	0.68
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG21	2	0.68
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG22	2	0.68
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG23	2	0.68
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG21	2	0.68
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG22	2	0.68
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG23	2	0.68
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG21	2	0.68
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG22	2	0.68
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG23	2	0.68
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG21	8	0.68
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG22	8	0.68
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG23	8	0.68
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG21	8	0.68
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG22	8	0.68
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG23	8	0.68
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG21	8	0.68
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG22	8	0.68
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG23	8	0.68
(1,1457)	1:92:A:LEU:HD11	1:93:A:GLY:H	4	0.68
(1,1457)	1:92:A:LEU:HD12	1:93:A:GLY:H	4	0.68
(1,1457)	1:92:A:LEU:HD13	1:93:A:GLY:H	4	0.68
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB2	1	0.68
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB3	1	0.68
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB2	1	0.68
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB3	1	0.68
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB2	1	0.68
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB3	1	0.68
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB2	2	0.68
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB3	2	0.68
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB2	2	0.68
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB3	2	0.68
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB2	2	0.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB3	2	0.68
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB2	3	0.68
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB3	3	0.68
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB2	3	0.68
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB3	3	0.68
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB2	3	0.68
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB3	3	0.68
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB2	7	0.68
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB3	7	0.68
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB2	7	0.68
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB3	7	0.68
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB2	7	0.68
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB3	7	0.68
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB2	8	0.68
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB3	8	0.68
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB2	8	0.68
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB3	8	0.68
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB2	8	0.68
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB3	8	0.68
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD11	1	0.68
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD12	1	0.68
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD13	1	0.68
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD11	1	0.68
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD12	1	0.68
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD13	1	0.68
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD11	1	0.68
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD12	1	0.68
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD13	1	0.68
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD11	2	0.68
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD12	2	0.68
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD13	2	0.68
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD11	2	0.68
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD12	2	0.68
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD13	2	0.68
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD11	2	0.68
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD12	2	0.68
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD13	2	0.68
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD21	6	0.67
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD22	6	0.67
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD21	6	0.67
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD22	6	0.67
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD21	10	0.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD22	10	0.67
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD21	10	0.67
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD22	10	0.67
(2,3)	1:13:A:THR:HG21	1:17:A:GLN:HE21	8	0.67
(2,3)	1:13:A:THR:HG22	1:17:A:GLN:HE21	8	0.67
(2,3)	1:13:A:THR:HG23	1:17:A:GLN:HE21	8	0.67
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD21	1	0.67
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD22	1	0.67
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD23	1	0.67
(1,2032)	1:143:A:ILE:HG21	1:144:A:VAL:H	1	0.67
(1,2032)	1:143:A:ILE:HG22	1:144:A:VAL:H	1	0.67
(1,2032)	1:143:A:ILE:HG23	1:144:A:VAL:H	1	0.67
(1,1243)	1:81:A:ILE:HG21	1:156:A:PHE:HZ	3	0.67
(1,1243)	1:81:A:ILE:HG22	1:156:A:PHE:HZ	3	0.67
(1,1243)	1:81:A:ILE:HG23	1:156:A:PHE:HZ	3	0.67
(1,1243)	1:81:A:ILE:HG21	1:156:A:PHE:HZ	5	0.67
(1,1243)	1:81:A:ILE:HG22	1:156:A:PHE:HZ	5	0.67
(1,1243)	1:81:A:ILE:HG23	1:156:A:PHE:HZ	5	0.67
(1,1243)	1:81:A:ILE:HG21	1:156:A:PHE:HZ	6	0.67
(1,1243)	1:81:A:ILE:HG22	1:156:A:PHE:HZ	6	0.67
(1,1243)	1:81:A:ILE:HG23	1:156:A:PHE:HZ	6	0.67
(1,1091)	1:77:A:LEU:HD11	1:103:A:SER:HA	4	0.67
(1,1091)	1:77:A:LEU:HD12	1:103:A:SER:HA	4	0.67
(1,1091)	1:77:A:LEU:HD13	1:103:A:SER:HA	4	0.67
(1,1091)	1:77:A:LEU:HD21	1:103:A:SER:HA	4	0.67
(1,1091)	1:77:A:LEU:HD22	1:103:A:SER:HA	4	0.67
(1,1091)	1:77:A:LEU:HD23	1:103:A:SER:HA	4	0.67
(1,1068)	1:76:A:TYR:HE1	1:78:A:GLN:HG2	10	0.67
(1,1068)	1:76:A:TYR:HE1	1:78:A:GLN:HG3	10	0.67
(1,1068)	1:76:A:TYR:HE2	1:78:A:GLN:HG2	10	0.67
(1,1068)	1:76:A:TYR:HE2	1:78:A:GLN:HG3	10	0.67
(1,261)	1:33:A:THR:HG21	1:34:A:PRO:HD2	4	0.67
(1,261)	1:33:A:THR:HG22	1:34:A:PRO:HD2	4	0.67
(1,261)	1:33:A:THR:HG23	1:34:A:PRO:HD2	4	0.67
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD1	1	0.67
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD2	1	0.67
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD1	1	0.67
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD2	1	0.67
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD1	1	0.67
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD2	1	0.67
(2,719)	1:142:A:ILE:HG21	1:145:A:TYR:HA	9	0.66
(2,719)	1:142:A:ILE:HG22	1:145:A:TYR:HA	9	0.66

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,719)	1:142:A:ILE:HG23	1:145:A:TYR:HA	9	0.66
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD21	7	0.66
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD22	7	0.66
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD23	7	0.66
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD11	6	0.66
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD12	6	0.66
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD13	6	0.66
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE1	10	0.66
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE2	10	0.66
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE1	10	0.66
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE2	10	0.66
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE1	10	0.66
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE2	10	0.66
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG21	3	0.66
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG22	3	0.66
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG23	3	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG21	3	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG22	3	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG23	3	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG21	3	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG22	3	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG23	3	0.66
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG21	4	0.66
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG22	4	0.66
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG23	4	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG21	4	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG22	4	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG23	4	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG21	4	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG22	4	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG23	4	0.66
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG21	7	0.66
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG22	7	0.66
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG23	7	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG21	7	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG22	7	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG23	7	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG21	7	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG22	7	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG23	7	0.66
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG21	9	0.66
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG22	9	0.66

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG23	9	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG21	9	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG22	9	0.66
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG23	9	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG21	9	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG22	9	0.66
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG23	9	0.66
(1,2032)	1:143:A:ILE:HG21	1:144:A:VAL:H	7	0.66
(1,2032)	1:143:A:ILE:HG22	1:144:A:VAL:H	7	0.66
(1,2032)	1:143:A:ILE:HG23	1:144:A:VAL:H	7	0.66
(1,2016)	1:142:A:ILE:HG21	1:145:A:TYR:HD1	5	0.66
(1,2016)	1:142:A:ILE:HG21	1:145:A:TYR:HD2	5	0.66
(1,2016)	1:142:A:ILE:HG22	1:145:A:TYR:HD1	5	0.66
(1,2016)	1:142:A:ILE:HG22	1:145:A:TYR:HD2	5	0.66
(1,2016)	1:142:A:ILE:HG23	1:145:A:TYR:HD1	5	0.66
(1,2016)	1:142:A:ILE:HG23	1:145:A:TYR:HD2	5	0.66
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB1	7	0.66
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB2	7	0.66
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB3	7	0.66
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB1	7	0.66
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB2	7	0.66
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB3	7	0.66
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB1	7	0.66
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB2	7	0.66
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB3	7	0.66
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB1	9	0.66
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB2	9	0.66
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB3	9	0.66
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB1	9	0.66
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB2	9	0.66
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB3	9	0.66
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB1	9	0.66
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB2	9	0.66
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB3	9	0.66
(1,1243)	1:81:A:ILE:HG21	1:156:A:PHE:HZ	8	0.66
(1,1243)	1:81:A:ILE:HG22	1:156:A:PHE:HZ	8	0.66
(1,1243)	1:81:A:ILE:HG23	1:156:A:PHE:HZ	8	0.66
(1,1243)	1:81:A:ILE:HG21	1:156:A:PHE:HZ	9	0.66
(1,1243)	1:81:A:ILE:HG22	1:156:A:PHE:HZ	9	0.66
(1,1243)	1:81:A:ILE:HG23	1:156:A:PHE:HZ	9	0.66
(1,287)	1:36:A:ALA:HB1	1:36:A:ALA:H	6	0.66
(1,287)	1:36:A:ALA:HB2	1:36:A:ALA:H	6	0.66

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:36:A:ALA:HB3	1:36:A:ALA:H	6	0.66
(2,718)	1:142:A:ILE:HD11	1:145:A:TYR:HE1	5	0.65
(2,718)	1:142:A:ILE:HD11	1:145:A:TYR:HE2	5	0.65
(2,718)	1:142:A:ILE:HD12	1:145:A:TYR:HE1	5	0.65
(2,718)	1:142:A:ILE:HD12	1:145:A:TYR:HE2	5	0.65
(2,718)	1:142:A:ILE:HD13	1:145:A:TYR:HE1	5	0.65
(2,718)	1:142:A:ILE:HD13	1:145:A:TYR:HE2	5	0.65
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD21	8	0.65
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD22	8	0.65
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD21	8	0.65
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD22	8	0.65
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD21	9	0.65
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD22	9	0.65
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD21	9	0.65
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD22	9	0.65
(2,490)	1:81:A:ILE:HD11	1:101:A:VAL:H	3	0.65
(2,490)	1:81:A:ILE:HD12	1:101:A:VAL:H	3	0.65
(2,490)	1:81:A:ILE:HD13	1:101:A:VAL:H	3	0.65
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD21	9	0.65
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD22	9	0.65
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD23	9	0.65
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE1	3	0.65
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE2	3	0.65
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE1	3	0.65
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE2	3	0.65
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE1	3	0.65
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE2	3	0.65
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE1	5	0.65
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE2	5	0.65
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE1	5	0.65
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE2	5	0.65
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE1	5	0.65
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE2	5	0.65
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE1	9	0.65
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE2	9	0.65
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE1	9	0.65
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE2	9	0.65
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE1	9	0.65
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE2	9	0.65
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG21	5	0.65
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG22	5	0.65
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG23	5	0.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG21	5	0.65
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG22	5	0.65
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG23	5	0.65
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG21	5	0.65
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG22	5	0.65
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG23	5	0.65
(1,2032)	1:143:A:ILE:HG21	1:144:A:VAL:H	8	0.65
(1,2032)	1:143:A:ILE:HG22	1:144:A:VAL:H	8	0.65
(1,2032)	1:143:A:ILE:HG23	1:144:A:VAL:H	8	0.65
(1,1788)	1:125:A:LYS:HB2	1:125:A:LYS:HE2	7	0.65
(1,1788)	1:125:A:LYS:HB2	1:125:A:LYS:HE3	7	0.65
(1,1788)	1:125:A:LYS:HB3	1:125:A:LYS:HE2	7	0.65
(1,1788)	1:125:A:LYS:HB3	1:125:A:LYS:HE3	7	0.65
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB1	8	0.65
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB2	8	0.65
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB3	8	0.65
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB1	8	0.65
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB2	8	0.65
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB3	8	0.65
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB1	8	0.65
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB2	8	0.65
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB3	8	0.65
(1,1243)	1:81:A:ILE:HG21	1:156:A:PHE:HZ	7	0.65
(1,1243)	1:81:A:ILE:HG22	1:156:A:PHE:HZ	7	0.65
(1,1243)	1:81:A:ILE:HG23	1:156:A:PHE:HZ	7	0.65
(1,1243)	1:81:A:ILE:HG21	1:156:A:PHE:HZ	10	0.65
(1,1243)	1:81:A:ILE:HG22	1:156:A:PHE:HZ	10	0.65
(1,1243)	1:81:A:ILE:HG23	1:156:A:PHE:HZ	10	0.65
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB1	6	0.65
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB2	6	0.65
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB3	6	0.65
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB1	6	0.65
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB2	6	0.65
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB3	6	0.65
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB1	6	0.65
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB2	6	0.65
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB3	6	0.65
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB2	5	0.65
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB3	5	0.65
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB2	5	0.65
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB3	5	0.65
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB2	5	0.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB3	5	0.65
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB2	6	0.65
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB3	6	0.65
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB2	6	0.65
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB3	6	0.65
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB2	6	0.65
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB3	6	0.65
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD11	4	0.65
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD12	4	0.65
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD13	4	0.65
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD11	4	0.65
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD12	4	0.65
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD13	4	0.65
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD11	4	0.65
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD12	4	0.65
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD13	4	0.65
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD11	8	0.65
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD12	8	0.65
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD13	8	0.65
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD11	8	0.65
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD12	8	0.65
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD13	8	0.65
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD11	8	0.65
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD12	8	0.65
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD13	8	0.65
(2,389)	1:70:A:LEU:HD21	1:172:A:PRO:HD2	8	0.64
(2,389)	1:70:A:LEU:HD22	1:172:A:PRO:HD2	8	0.64
(2,389)	1:70:A:LEU:HD23	1:172:A:PRO:HD2	8	0.64
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE1	6	0.64
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE2	6	0.64
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE1	6	0.64
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE2	6	0.64
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE1	6	0.64
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE2	6	0.64
(1,2010)	1:142:A:ILE:HD11	1:145:A:TYR:HD1	10	0.64
(1,2010)	1:142:A:ILE:HD11	1:145:A:TYR:HD2	10	0.64
(1,2010)	1:142:A:ILE:HD12	1:145:A:TYR:HD1	10	0.64
(1,2010)	1:142:A:ILE:HD12	1:145:A:TYR:HD2	10	0.64
(1,2010)	1:142:A:ILE:HD13	1:145:A:TYR:HD1	10	0.64
(1,2010)	1:142:A:ILE:HD13	1:145:A:TYR:HD2	10	0.64
(1,923)	1:70:A:LEU:HD11	1:71:A:LYS:H	2	0.64
(1,923)	1:70:A:LEU:HD12	1:71:A:LYS:H	2	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,923)	1:70:A:LEU:HD13	1:71:A:LYS:H	2	0.64
(1,287)	1:36:A:ALA:HB1	1:36:A:ALA:H	5	0.64
(1,287)	1:36:A:ALA:HB2	1:36:A:ALA:H	5	0.64
(1,287)	1:36:A:ALA:HB3	1:36:A:ALA:H	5	0.64
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD11	2	0.64
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD12	2	0.64
(1,145)	1:28:A:HIS:HE1	1:48:A:ILE:HD13	2	0.64
(2,389)	1:70:A:LEU:HD21	1:172:A:PRO:HD2	5	0.63
(2,389)	1:70:A:LEU:HD22	1:172:A:PRO:HD2	5	0.63
(2,389)	1:70:A:LEU:HD23	1:172:A:PRO:HD2	5	0.63
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE1	5	0.63
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE2	5	0.63
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE1	10	0.63
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE2	10	0.63
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE1	10	0.63
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE2	10	0.63
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE1	10	0.63
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE2	10	0.63
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG21	1	0.63
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG22	1	0.63
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG23	1	0.63
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG21	1	0.63
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG22	1	0.63
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG23	1	0.63
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG21	1	0.63
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG22	1	0.63
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG23	1	0.63
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD21	9	0.63
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD22	9	0.63
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD21	9	0.63
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD22	9	0.63
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD21	9	0.63
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD22	9	0.63
(1,1884)	1:134:A:TRP:HA	1:143:A:ILE:HD11	5	0.63
(1,1884)	1:134:A:TRP:HA	1:143:A:ILE:HD12	5	0.63
(1,1884)	1:134:A:TRP:HA	1:143:A:ILE:HD13	5	0.63
(1,1777)	1:121:A:LEU:HD21	1:121:A:LEU:H	2	0.63
(1,1777)	1:121:A:LEU:HD22	1:121:A:LEU:H	2	0.63
(1,1777)	1:121:A:LEU:HD23	1:121:A:LEU:H	2	0.63
(1,1777)	1:121:A:LEU:HD21	1:121:A:LEU:H	9	0.63
(1,1777)	1:121:A:LEU:HD22	1:121:A:LEU:H	9	0.63
(1,1777)	1:121:A:LEU:HD23	1:121:A:LEU:H	9	0.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB1	1	0.63
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB2	1	0.63
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB3	1	0.63
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB1	1	0.63
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB2	1	0.63
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB3	1	0.63
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB1	1	0.63
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB2	1	0.63
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB3	1	0.63
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB1	10	0.63
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB2	10	0.63
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB3	10	0.63
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB1	10	0.63
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB2	10	0.63
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB3	10	0.63
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB1	10	0.63
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB2	10	0.63
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB3	10	0.63
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD11	3	0.63
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD12	3	0.63
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD13	3	0.63
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD11	3	0.63
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD12	3	0.63
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD13	3	0.63
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG11	8	0.63
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG12	8	0.63
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG13	8	0.63
(1,6)	1:18:A:ALA:HB1	1:19:A:VAL:H	4	0.63
(1,6)	1:18:A:ALA:HB2	1:19:A:VAL:H	4	0.63
(1,6)	1:18:A:ALA:HB3	1:19:A:VAL:H	4	0.63
(2,632)	1:122:A:TYR:HD1	1:125:A:LYS:H	4	0.62
(2,632)	1:122:A:TYR:HD2	1:125:A:LYS:H	4	0.62
(2,490)	1:81:A:ILE:HD11	1:101:A:VAL:H	9	0.62
(2,490)	1:81:A:ILE:HD12	1:101:A:VAL:H	9	0.62
(2,490)	1:81:A:ILE:HD13	1:101:A:VAL:H	9	0.62
(2,184)	1:37:A:GLY:H	1:38:A:ALA:HB1	3	0.62
(2,184)	1:37:A:GLY:H	1:38:A:ALA:HB2	3	0.62
(2,184)	1:37:A:GLY:H	1:38:A:ALA:HB3	3	0.62
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE1	5	0.62
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE2	5	0.62
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE1	5	0.62
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE2	5	0.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE1	5	0.62
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE2	5	0.62
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD21	6	0.62
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD22	6	0.62
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD23	6	0.62
(1,1777)	1:121:A:LEU:HD21	1:121:A:LEU:H	3	0.62
(1,1777)	1:121:A:LEU:HD22	1:121:A:LEU:H	3	0.62
(1,1777)	1:121:A:LEU:HD23	1:121:A:LEU:H	3	0.62
(1,1777)	1:121:A:LEU:HD21	1:121:A:LEU:H	4	0.62
(1,1777)	1:121:A:LEU:HD22	1:121:A:LEU:H	4	0.62
(1,1777)	1:121:A:LEU:HD23	1:121:A:LEU:H	4	0.62
(1,1777)	1:121:A:LEU:HD21	1:121:A:LEU:H	5	0.62
(1,1777)	1:121:A:LEU:HD22	1:121:A:LEU:H	5	0.62
(1,1777)	1:121:A:LEU:HD23	1:121:A:LEU:H	5	0.62
(1,1243)	1:81:A:ILE:HG21	1:156:A:PHE:HZ	2	0.62
(1,1243)	1:81:A:ILE:HG22	1:156:A:PHE:HZ	2	0.62
(1,1243)	1:81:A:ILE:HG23	1:156:A:PHE:HZ	2	0.62
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD11	5	0.62
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD12	5	0.62
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD13	5	0.62
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD11	5	0.62
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD12	5	0.62
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD13	5	0.62
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG11	10	0.62
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG12	10	0.62
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG13	10	0.62
(1,223)	1:32:A:ILE:HD11	1:160:A:TYR:HE1	2	0.62
(1,223)	1:32:A:ILE:HD11	1:160:A:TYR:HE2	2	0.62
(1,223)	1:32:A:ILE:HD12	1:160:A:TYR:HE1	2	0.62
(1,223)	1:32:A:ILE:HD12	1:160:A:TYR:HE2	2	0.62
(1,223)	1:32:A:ILE:HD13	1:160:A:TYR:HE1	2	0.62
(1,223)	1:32:A:ILE:HD13	1:160:A:TYR:HE2	2	0.62
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD1	9	0.61
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD2	9	0.61
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD1	9	0.61
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD2	9	0.61
(2,614)	1:118:A:ILE:HG21	1:151:A:VAL:HA	5	0.61
(2,614)	1:118:A:ILE:HG22	1:151:A:VAL:HA	5	0.61
(2,614)	1:118:A:ILE:HG23	1:151:A:VAL:HA	5	0.61
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD21	2	0.61
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD22	2	0.61
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD21	2	0.61

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD22	2	0.61
(2,194)	1:38:A:ALA:HB1	1:39:A:GLN:HE21	3	0.61
(2,194)	1:38:A:ALA:HB2	1:39:A:GLN:HE21	3	0.61
(2,194)	1:38:A:ALA:HB3	1:39:A:GLN:HE21	3	0.61
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE1	7	0.61
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE2	7	0.61
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE1	7	0.61
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE2	7	0.61
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE1	7	0.61
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE2	7	0.61
(1,1884)	1:134:A:TRP:HA	1:143:A:ILE:HD11	4	0.61
(1,1884)	1:134:A:TRP:HA	1:143:A:ILE:HD12	4	0.61
(1,1884)	1:134:A:TRP:HA	1:143:A:ILE:HD13	4	0.61
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB1	5	0.61
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB2	5	0.61
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB3	5	0.61
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB1	5	0.61
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB2	5	0.61
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB3	5	0.61
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB1	5	0.61
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB2	5	0.61
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB3	5	0.61
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG21	3	0.61
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG22	3	0.61
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG23	3	0.61
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG21	3	0.61
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG22	3	0.61
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG23	3	0.61
(1,1274)	1:82:A:THR:HG21	1:96:A:SER:HB3	10	0.61
(1,1274)	1:82:A:THR:HG22	1:96:A:SER:HB3	10	0.61
(1,1274)	1:82:A:THR:HG23	1:96:A:SER:HB3	10	0.61
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB2	4	0.61
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB3	4	0.61
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB2	4	0.61
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB3	4	0.61
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB2	4	0.61
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB3	4	0.61
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	1	0.61
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	1	0.61
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	7	0.61
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	7	0.61
(2,656)	1:125:A:LYS:HB2	1:126:A:THR:H	7	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,656)	1:125:A:LYS:HB3	1:126:A:THR:H	7	0.6
(2,614)	1:118:A:ILE:HG21	1:151:A:VAL:HA	1	0.6
(2,614)	1:118:A:ILE:HG22	1:151:A:VAL:HA	1	0.6
(2,614)	1:118:A:ILE:HG23	1:151:A:VAL:HA	1	0.6
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD21	3	0.6
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD22	3	0.6
(2,94)	1:23:A:ILE:HD11	1:53:A:ASP:H	8	0.6
(2,94)	1:23:A:ILE:HD12	1:53:A:ASP:H	8	0.6
(2,94)	1:23:A:ILE:HD13	1:53:A:ASP:H	8	0.6
(1,2324)	1:171:A:LEU:HD21	1:171:A:LEU:H	6	0.6
(1,2324)	1:171:A:LEU:HD22	1:171:A:LEU:H	6	0.6
(1,2324)	1:171:A:LEU:HD23	1:171:A:LEU:H	6	0.6
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG21	6	0.6
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG22	6	0.6
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG23	6	0.6
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG21	6	0.6
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG22	6	0.6
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG23	6	0.6
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG21	6	0.6
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG22	6	0.6
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG23	6	0.6
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG21	10	0.6
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG22	10	0.6
(1,2078)	1:151:A:VAL:HG11	1:151:A:VAL:HG23	10	0.6
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG21	10	0.6
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG22	10	0.6
(1,2078)	1:151:A:VAL:HG12	1:151:A:VAL:HG23	10	0.6
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG21	10	0.6
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG22	10	0.6
(1,2078)	1:151:A:VAL:HG13	1:151:A:VAL:HG23	10	0.6
(1,1758)	1:119:A:ALA:HB1	1:151:A:VAL:H	1	0.6
(1,1758)	1:119:A:ALA:HB2	1:151:A:VAL:H	1	0.6
(1,1758)	1:119:A:ALA:HB3	1:151:A:VAL:H	1	0.6
(1,1758)	1:119:A:ALA:HB1	1:151:A:VAL:H	4	0.6
(1,1758)	1:119:A:ALA:HB2	1:151:A:VAL:H	4	0.6
(1,1758)	1:119:A:ALA:HB3	1:151:A:VAL:H	4	0.6
(1,1758)	1:119:A:ALA:HB1	1:151:A:VAL:H	5	0.6
(1,1758)	1:119:A:ALA:HB2	1:151:A:VAL:H	5	0.6
(1,1758)	1:119:A:ALA:HB3	1:151:A:VAL:H	5	0.6
(1,1758)	1:119:A:ALA:HB1	1:151:A:VAL:H	7	0.6
(1,1758)	1:119:A:ALA:HB2	1:151:A:VAL:H	7	0.6
(1,1758)	1:119:A:ALA:HB3	1:151:A:VAL:H	7	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG21	1	0.6
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG22	1	0.6
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG23	1	0.6
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG21	2	0.6
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG22	2	0.6
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG23	2	0.6
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG21	4	0.6
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG22	4	0.6
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG23	4	0.6
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG21	10	0.6
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG22	10	0.6
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG23	10	0.6
(1,1088)	1:77:A:LEU:HD11	1:78:A:GLN:H	8	0.6
(1,1088)	1:77:A:LEU:HD12	1:78:A:GLN:H	8	0.6
(1,1088)	1:77:A:LEU:HD13	1:78:A:GLN:H	8	0.6
(1,1088)	1:77:A:LEU:HD21	1:78:A:GLN:H	8	0.6
(1,1088)	1:77:A:LEU:HD22	1:78:A:GLN:H	8	0.6
(1,1088)	1:77:A:LEU:HD23	1:78:A:GLN:H	8	0.6
(1,923)	1:70:A:LEU:HD11	1:71:A:LYS:H	1	0.6
(1,923)	1:70:A:LEU:HD12	1:71:A:LYS:H	1	0.6
(1,923)	1:70:A:LEU:HD13	1:71:A:LYS:H	1	0.6
(1,650)	1:58:A:VAL:HG11	1:58:A:VAL:H	3	0.6
(1,650)	1:58:A:VAL:HG12	1:58:A:VAL:H	3	0.6
(1,650)	1:58:A:VAL:HG13	1:58:A:VAL:H	3	0.6
(1,650)	1:58:A:VAL:HG21	1:58:A:VAL:H	3	0.6
(1,650)	1:58:A:VAL:HG22	1:58:A:VAL:H	3	0.6
(1,650)	1:58:A:VAL:HG23	1:58:A:VAL:H	3	0.6
(1,650)	1:58:A:VAL:HG11	1:58:A:VAL:H	5	0.6
(1,650)	1:58:A:VAL:HG12	1:58:A:VAL:H	5	0.6
(1,650)	1:58:A:VAL:HG13	1:58:A:VAL:H	5	0.6
(1,650)	1:58:A:VAL:HG21	1:58:A:VAL:H	5	0.6
(1,650)	1:58:A:VAL:HG22	1:58:A:VAL:H	5	0.6
(1,650)	1:58:A:VAL:HG23	1:58:A:VAL:H	5	0.6
(2,656)	1:125:A:LYS:HB2	1:126:A:THR:H	1	0.59
(2,656)	1:125:A:LYS:HB3	1:126:A:THR:H	1	0.59
(2,656)	1:125:A:LYS:HB2	1:126:A:THR:H	8	0.59
(2,656)	1:125:A:LYS:HB3	1:126:A:THR:H	8	0.59
(2,535)	1:85:A:TYR:HE1	1:153:A:ILE:H	2	0.59
(2,535)	1:85:A:TYR:HE2	1:153:A:ILE:H	2	0.59
(2,4)	1:15:A:THR:HG21	1:16:A:ALA:H	2	0.59
(2,4)	1:15:A:THR:HG22	1:16:A:ALA:H	2	0.59
(2,4)	1:15:A:THR:HG23	1:16:A:ALA:H	2	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2355)	1:173:A:VAL:HG21	1:173:A:VAL:H	6	0.59
(1,2355)	1:173:A:VAL:HG22	1:173:A:VAL:H	6	0.59
(1,2355)	1:173:A:VAL:HG23	1:173:A:VAL:H	6	0.59
(1,2324)	1:171:A:LEU:HD21	1:171:A:LEU:H	1	0.59
(1,2324)	1:171:A:LEU:HD22	1:171:A:LEU:H	1	0.59
(1,2324)	1:171:A:LEU:HD23	1:171:A:LEU:H	1	0.59
(1,2287)	1:168:A:PHE:HD1	1:169:A:ASP:H	2	0.59
(1,2287)	1:168:A:PHE:HD2	1:169:A:ASP:H	2	0.59
(1,2032)	1:143:A:ILE:HG21	1:144:A:VAL:H	2	0.59
(1,2032)	1:143:A:ILE:HG22	1:144:A:VAL:H	2	0.59
(1,2032)	1:143:A:ILE:HG23	1:144:A:VAL:H	2	0.59
(1,1818)	1:131:A:THR:HG21	1:131:A:THR:H	3	0.59
(1,1818)	1:131:A:THR:HG22	1:131:A:THR:H	3	0.59
(1,1818)	1:131:A:THR:HG23	1:131:A:THR:H	3	0.59
(1,1758)	1:119:A:ALA:HB1	1:151:A:VAL:H	2	0.59
(1,1758)	1:119:A:ALA:HB2	1:151:A:VAL:H	2	0.59
(1,1758)	1:119:A:ALA:HB3	1:151:A:VAL:H	2	0.59
(1,1758)	1:119:A:ALA:HB1	1:151:A:VAL:H	3	0.59
(1,1758)	1:119:A:ALA:HB2	1:151:A:VAL:H	3	0.59
(1,1758)	1:119:A:ALA:HB3	1:151:A:VAL:H	3	0.59
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG21	10	0.59
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG22	10	0.59
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG23	10	0.59
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG21	10	0.59
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG22	10	0.59
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG23	10	0.59
(1,1275)	1:82:A:THR:HG21	1:96:A:SER:HB2	1	0.59
(1,1275)	1:82:A:THR:HG22	1:96:A:SER:HB2	1	0.59
(1,1275)	1:82:A:THR:HG23	1:96:A:SER:HB2	1	0.59
(1,1275)	1:82:A:THR:HG21	1:96:A:SER:HB2	4	0.59
(1,1275)	1:82:A:THR:HG22	1:96:A:SER:HB2	4	0.59
(1,1275)	1:82:A:THR:HG23	1:96:A:SER:HB2	4	0.59
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB1	1	0.59
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB2	1	0.59
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB3	1	0.59
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB1	1	0.59
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB2	1	0.59
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB3	1	0.59
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB1	1	0.59
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB2	1	0.59
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB3	1	0.59
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG21	7	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG22	7	0.59
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG23	7	0.59
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG21	8	0.59
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG22	8	0.59
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG23	8	0.59
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG21	9	0.59
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG22	9	0.59
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG23	9	0.59
(1,923)	1:70:A:LEU:HD11	1:71:A:LYS:H	7	0.59
(1,923)	1:70:A:LEU:HD12	1:71:A:LYS:H	7	0.59
(1,923)	1:70:A:LEU:HD13	1:71:A:LYS:H	7	0.59
(1,508)	1:48:A:ILE:HG21	1:153:A:ILE:HG13	8	0.59
(1,508)	1:48:A:ILE:HG22	1:153:A:ILE:HG13	8	0.59
(1,508)	1:48:A:ILE:HG23	1:153:A:ILE:HG13	8	0.59
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD11	3	0.59
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD12	3	0.59
(1,489)	1:48:A:ILE:HG21	1:48:A:ILE:HD13	3	0.59
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD11	3	0.59
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD12	3	0.59
(1,489)	1:48:A:ILE:HG22	1:48:A:ILE:HD13	3	0.59
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD11	3	0.59
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD12	3	0.59
(1,489)	1:48:A:ILE:HG23	1:48:A:ILE:HD13	3	0.59
(1,287)	1:36:A:ALA:HB1	1:36:A:ALA:H	8	0.59
(1,287)	1:36:A:ALA:HB2	1:36:A:ALA:H	8	0.59
(1,287)	1:36:A:ALA:HB3	1:36:A:ALA:H	8	0.59
(1,282)	1:35:A:ALA:HB1	1:36:A:ALA:H	1	0.59
(1,282)	1:35:A:ALA:HB2	1:36:A:ALA:H	1	0.59
(1,282)	1:35:A:ALA:HB3	1:36:A:ALA:H	1	0.59
(2,766)	1:169:A:ASP:H	1:171:A:LEU:HD21	2	0.58
(2,766)	1:169:A:ASP:H	1:171:A:LEU:HD22	2	0.58
(2,766)	1:169:A:ASP:H	1:171:A:LEU:HD23	2	0.58
(2,473)	1:80:A:GLN:HB2	1:101:A:VAL:HA	9	0.58
(2,473)	1:80:A:GLN:HB3	1:101:A:VAL:HA	9	0.58
(2,467)	1:79:A:ILE:HG21	1:156:A:PHE:HA	10	0.58
(2,467)	1:79:A:ILE:HG22	1:156:A:PHE:HA	10	0.58
(2,467)	1:79:A:ILE:HG23	1:156:A:PHE:HA	10	0.58
(1,2284)	1:168:A:PHE:HB2	1:171:A:LEU:HD11	6	0.58
(1,2284)	1:168:A:PHE:HB2	1:171:A:LEU:HD12	6	0.58
(1,2284)	1:168:A:PHE:HB2	1:171:A:LEU:HD13	6	0.58
(1,1884)	1:134:A:TRP:HA	1:143:A:ILE:HD11	8	0.58
(1,1884)	1:134:A:TRP:HA	1:143:A:ILE:HD12	8	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1884)	1:134:A:TRP:HA	1:143:A:ILE:HD13	8	0.58
(1,1758)	1:119:A:ALA:HB1	1:151:A:VAL:H	10	0.58
(1,1758)	1:119:A:ALA:HB2	1:151:A:VAL:H	10	0.58
(1,1758)	1:119:A:ALA:HB3	1:151:A:VAL:H	10	0.58
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB1	2	0.58
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB2	2	0.58
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB3	2	0.58
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB1	2	0.58
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB2	2	0.58
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB3	2	0.58
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB1	2	0.58
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB2	2	0.58
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB3	2	0.58
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD11	3	0.58
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD12	3	0.58
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD13	3	0.58
(1,1274)	1:82:A:THR:HG21	1:96:A:SER:HB3	5	0.58
(1,1274)	1:82:A:THR:HG22	1:96:A:SER:HB3	5	0.58
(1,1274)	1:82:A:THR:HG23	1:96:A:SER:HB3	5	0.58
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG21	3	0.58
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG22	3	0.58
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG23	3	0.58
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG21	5	0.58
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG22	5	0.58
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG23	5	0.58
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG21	6	0.58
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG22	6	0.58
(1,1206)	1:81:A:ILE:HA	1:81:A:ILE:HG23	6	0.58
(1,1097)	1:77:A:LEU:HD11	1:160:A:TYR:HB3	1	0.58
(1,1097)	1:77:A:LEU:HD12	1:160:A:TYR:HB3	1	0.58
(1,1097)	1:77:A:LEU:HD13	1:160:A:TYR:HB3	1	0.58
(1,1097)	1:77:A:LEU:HD21	1:160:A:TYR:HB3	1	0.58
(1,1097)	1:77:A:LEU:HD22	1:160:A:TYR:HB3	1	0.58
(1,1097)	1:77:A:LEU:HD23	1:160:A:TYR:HB3	1	0.58
(1,1097)	1:77:A:LEU:HD11	1:160:A:TYR:HB3	2	0.58
(1,1097)	1:77:A:LEU:HD12	1:160:A:TYR:HB3	2	0.58
(1,1097)	1:77:A:LEU:HD13	1:160:A:TYR:HB3	2	0.58
(1,1097)	1:77:A:LEU:HD21	1:160:A:TYR:HB3	2	0.58
(1,1097)	1:77:A:LEU:HD22	1:160:A:TYR:HB3	2	0.58
(1,1097)	1:77:A:LEU:HD23	1:160:A:TYR:HB3	2	0.58
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB2	9	0.58
(1,756)	1:63:A:THR:HG21	1:108:A:SER:HB3	9	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB2	9	0.58
(1,756)	1:63:A:THR:HG22	1:108:A:SER:HB3	9	0.58
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB2	9	0.58
(1,756)	1:63:A:THR:HG23	1:108:A:SER:HB3	9	0.58
(1,508)	1:48:A:ILE:HG21	1:153:A:ILE:HG13	3	0.58
(1,508)	1:48:A:ILE:HG22	1:153:A:ILE:HG13	3	0.58
(1,508)	1:48:A:ILE:HG23	1:153:A:ILE:HG13	3	0.58
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG21	5	0.57
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG22	5	0.57
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG23	5	0.57
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG21	6	0.57
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG22	6	0.57
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG23	6	0.57
(2,656)	1:125:A:LYS:HB2	1:126:A:THR:H	4	0.57
(2,656)	1:125:A:LYS:HB3	1:126:A:THR:H	4	0.57
(2,656)	1:125:A:LYS:HB2	1:126:A:THR:H	6	0.57
(2,656)	1:125:A:LYS:HB3	1:126:A:THR:H	6	0.57
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD21	7	0.57
(2,520)	1:84:A:GLY:HA2	1:155:A:ASN:HD22	7	0.57
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD21	7	0.57
(2,520)	1:84:A:GLY:HA3	1:155:A:ASN:HD22	7	0.57
(2,507)	1:82:A:THR:H	1:156:A:PHE:HD1	1	0.57
(2,507)	1:82:A:THR:H	1:156:A:PHE:HD2	1	0.57
(2,473)	1:80:A:GLN:HB2	1:101:A:VAL:HA	1	0.57
(2,473)	1:80:A:GLN:HB3	1:101:A:VAL:HA	1	0.57
(2,473)	1:80:A:GLN:HB2	1:101:A:VAL:HA	6	0.57
(2,473)	1:80:A:GLN:HB3	1:101:A:VAL:HA	6	0.57
(2,473)	1:80:A:GLN:HB2	1:101:A:VAL:HA	10	0.57
(2,473)	1:80:A:GLN:HB3	1:101:A:VAL:HA	10	0.57
(2,467)	1:79:A:ILE:HG21	1:156:A:PHE:HA	4	0.57
(2,467)	1:79:A:ILE:HG22	1:156:A:PHE:HA	4	0.57
(2,467)	1:79:A:ILE:HG23	1:156:A:PHE:HA	4	0.57
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE1	3	0.57
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE2	3	0.57
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE1	6	0.57
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE2	6	0.57
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD21	1	0.57
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD22	1	0.57
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD21	4	0.57
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD22	4	0.57
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD21	6	0.57
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD22	6	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD21	8	0.57
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD22	8	0.57
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD21	10	0.57
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD22	10	0.57
(2,7)	1:16:A:ALA:HB1	1:18:A:ALA:H	7	0.57
(2,7)	1:16:A:ALA:HB2	1:18:A:ALA:H	7	0.57
(2,7)	1:16:A:ALA:HB3	1:18:A:ALA:H	7	0.57
(1,2324)	1:171:A:LEU:HD21	1:171:A:LEU:H	3	0.57
(1,2324)	1:171:A:LEU:HD22	1:171:A:LEU:H	3	0.57
(1,2324)	1:171:A:LEU:HD23	1:171:A:LEU:H	3	0.57
(1,2324)	1:171:A:LEU:HD21	1:171:A:LEU:H	7	0.57
(1,2324)	1:171:A:LEU:HD22	1:171:A:LEU:H	7	0.57
(1,2324)	1:171:A:LEU:HD23	1:171:A:LEU:H	7	0.57
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD11	8	0.57
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD12	8	0.57
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD13	8	0.57
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD11	8	0.57
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD12	8	0.57
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD13	8	0.57
(1,508)	1:48:A:ILE:HG21	1:153:A:ILE:HG13	2	0.57
(1,508)	1:48:A:ILE:HG22	1:153:A:ILE:HG13	2	0.57
(1,508)	1:48:A:ILE:HG23	1:153:A:ILE:HG13	2	0.57
(1,296)	1:38:A:ALA:HB1	1:39:A:GLN:H	9	0.57
(1,296)	1:38:A:ALA:HB2	1:39:A:GLN:H	9	0.57
(1,296)	1:38:A:ALA:HB3	1:39:A:GLN:H	9	0.57
(1,282)	1:35:A:ALA:HB1	1:36:A:ALA:H	6	0.57
(1,282)	1:35:A:ALA:HB2	1:36:A:ALA:H	6	0.57
(1,282)	1:35:A:ALA:HB3	1:36:A:ALA:H	6	0.57
(1,166)	1:29:A:LEU:HD11	1:175:A:PHE:H	1	0.57
(1,166)	1:29:A:LEU:HD12	1:175:A:PHE:H	1	0.57
(1,166)	1:29:A:LEU:HD13	1:175:A:PHE:H	1	0.57
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG21	4	0.56
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG22	4	0.56
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG23	4	0.56
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG21	7	0.56
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG22	7	0.56
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG23	7	0.56
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD1	3	0.56
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD2	3	0.56
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD1	3	0.56
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD2	3	0.56
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD1	7	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD2	7	0.56
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD1	7	0.56
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD2	7	0.56
(2,721)	1:144:A:VAL:HA	1:145:A:TYR:HD1	6	0.56
(2,721)	1:144:A:VAL:HA	1:145:A:TYR:HD2	6	0.56
(2,656)	1:125:A:LYS:HB2	1:126:A:THR:H	2	0.56
(2,656)	1:125:A:LYS:HB3	1:126:A:THR:H	2	0.56
(2,656)	1:125:A:LYS:HB2	1:126:A:THR:H	9	0.56
(2,656)	1:125:A:LYS:HB3	1:126:A:THR:H	9	0.56
(2,618)	1:119:A:ALA:HB1	1:149:A:LYS:H	6	0.56
(2,618)	1:119:A:ALA:HB2	1:149:A:LYS:H	6	0.56
(2,618)	1:119:A:ALA:HB3	1:149:A:LYS:H	6	0.56
(2,535)	1:85:A:TYR:HE1	1:153:A:ILE:H	4	0.56
(2,535)	1:85:A:TYR:HE2	1:153:A:ILE:H	4	0.56
(2,535)	1:85:A:TYR:HE1	1:153:A:ILE:H	6	0.56
(2,535)	1:85:A:TYR:HE2	1:153:A:ILE:H	6	0.56
(2,535)	1:85:A:TYR:HE1	1:153:A:ILE:H	10	0.56
(2,535)	1:85:A:TYR:HE2	1:153:A:ILE:H	10	0.56
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE1	7	0.56
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE2	7	0.56
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE1	7	0.56
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE2	7	0.56
(2,473)	1:80:A:GLN:HB2	1:101:A:VAL:HA	3	0.56
(2,473)	1:80:A:GLN:HB3	1:101:A:VAL:HA	3	0.56
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG21	8	0.56
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG22	8	0.56
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG23	8	0.56
(2,7)	1:16:A:ALA:HB1	1:18:A:ALA:H	4	0.56
(2,7)	1:16:A:ALA:HB2	1:18:A:ALA:H	4	0.56
(2,7)	1:16:A:ALA:HB3	1:18:A:ALA:H	4	0.56
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE1	4	0.56
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE2	4	0.56
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE1	4	0.56
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE2	4	0.56
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE1	4	0.56
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE2	4	0.56
(1,1747)	1:118:A:ILE:HD11	1:118:A:ILE:H	9	0.56
(1,1747)	1:118:A:ILE:HD12	1:118:A:ILE:H	9	0.56
(1,1747)	1:118:A:ILE:HD13	1:118:A:ILE:H	9	0.56
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB1	3	0.56
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB2	3	0.56
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB3	3	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB1	3	0.56
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB2	3	0.56
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB3	3	0.56
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB1	3	0.56
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB2	3	0.56
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB3	3	0.56
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB1	4	0.56
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB2	4	0.56
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB3	4	0.56
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB1	4	0.56
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB2	4	0.56
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB3	4	0.56
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB1	4	0.56
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB2	4	0.56
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB3	4	0.56
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD11	10	0.56
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD12	10	0.56
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD13	10	0.56
(1,1099)	1:77:A:LEU:HD11	1:160:A:TYR:HD1	2	0.56
(1,1099)	1:77:A:LEU:HD11	1:160:A:TYR:HD2	2	0.56
(1,1099)	1:77:A:LEU:HD12	1:160:A:TYR:HD1	2	0.56
(1,1099)	1:77:A:LEU:HD12	1:160:A:TYR:HD2	2	0.56
(1,1099)	1:77:A:LEU:HD13	1:160:A:TYR:HD1	2	0.56
(1,1099)	1:77:A:LEU:HD13	1:160:A:TYR:HD2	2	0.56
(1,1099)	1:77:A:LEU:HD21	1:160:A:TYR:HD1	2	0.56
(1,1099)	1:77:A:LEU:HD21	1:160:A:TYR:HD2	2	0.56
(1,1099)	1:77:A:LEU:HD22	1:160:A:TYR:HD1	2	0.56
(1,1099)	1:77:A:LEU:HD22	1:160:A:TYR:HD2	2	0.56
(1,1099)	1:77:A:LEU:HD23	1:160:A:TYR:HD1	2	0.56
(1,1099)	1:77:A:LEU:HD23	1:160:A:TYR:HD2	2	0.56
(1,287)	1:36:A:ALA:HB1	1:36:A:ALA:H	2	0.56
(1,287)	1:36:A:ALA:HB2	1:36:A:ALA:H	2	0.56
(1,287)	1:36:A:ALA:HB3	1:36:A:ALA:H	2	0.56
(1,282)	1:35:A:ALA:HB1	1:36:A:ALA:H	5	0.56
(1,282)	1:35:A:ALA:HB2	1:36:A:ALA:H	5	0.56
(1,282)	1:35:A:ALA:HB3	1:36:A:ALA:H	5	0.56
(1,282)	1:35:A:ALA:HB1	1:36:A:ALA:H	7	0.56
(1,282)	1:35:A:ALA:HB2	1:36:A:ALA:H	7	0.56
(1,282)	1:35:A:ALA:HB3	1:36:A:ALA:H	7	0.56
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	5	0.56
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	5	0.56
(1,6)	1:18:A:ALA:HB1	1:19:A:VAL:H	10	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:18:A:ALA:HB2	1:19:A:VAL:H	10	0.56
(1,6)	1:18:A:ALA:HB3	1:19:A:VAL:H	10	0.56
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG21	8	0.55
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG22	8	0.55
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG23	8	0.55
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE1	6	0.55
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE2	6	0.55
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE1	7	0.55
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE2	7	0.55
(2,656)	1:125:A:LYS:HB2	1:126:A:THR:H	5	0.55
(2,656)	1:125:A:LYS:HB3	1:126:A:THR:H	5	0.55
(2,535)	1:85:A:TYR:HE1	1:153:A:ILE:H	5	0.55
(2,535)	1:85:A:TYR:HE2	1:153:A:ILE:H	5	0.55
(2,535)	1:85:A:TYR:HE1	1:153:A:ILE:H	9	0.55
(2,535)	1:85:A:TYR:HE2	1:153:A:ILE:H	9	0.55
(2,490)	1:81:A:ILE:HD11	1:101:A:VAL:H	1	0.55
(2,490)	1:81:A:ILE:HD12	1:101:A:VAL:H	1	0.55
(2,490)	1:81:A:ILE:HD13	1:101:A:VAL:H	1	0.55
(2,473)	1:80:A:GLN:HB2	1:101:A:VAL:HA	2	0.55
(2,473)	1:80:A:GLN:HB3	1:101:A:VAL:HA	2	0.55
(2,367)	1:66:A:ASN:HD21	1:173:A:VAL:HG11	6	0.55
(2,367)	1:66:A:ASN:HD21	1:173:A:VAL:HG12	6	0.55
(2,367)	1:66:A:ASN:HD21	1:173:A:VAL:HG13	6	0.55
(2,194)	1:38:A:ALA:HB1	1:39:A:GLN:HE21	5	0.55
(2,194)	1:38:A:ALA:HB2	1:39:A:GLN:HE21	5	0.55
(2,194)	1:38:A:ALA:HB3	1:39:A:GLN:HE21	5	0.55
(2,5)	1:16:A:ALA:HB1	1:17:A:GLN:HE21	3	0.55
(2,5)	1:16:A:ALA:HB2	1:17:A:GLN:HE21	3	0.55
(2,5)	1:16:A:ALA:HB3	1:17:A:GLN:HE21	3	0.55
(1,2324)	1:171:A:LEU:HD21	1:171:A:LEU:H	4	0.55
(1,2324)	1:171:A:LEU:HD22	1:171:A:LEU:H	4	0.55
(1,2324)	1:171:A:LEU:HD23	1:171:A:LEU:H	4	0.55
(1,1747)	1:118:A:ILE:HD11	1:118:A:ILE:H	4	0.55
(1,1747)	1:118:A:ILE:HD12	1:118:A:ILE:H	4	0.55
(1,1747)	1:118:A:ILE:HD13	1:118:A:ILE:H	4	0.55
(1,1274)	1:82:A:THR:HG21	1:96:A:SER:HB3	2	0.55
(1,1274)	1:82:A:THR:HG22	1:96:A:SER:HB3	2	0.55
(1,1274)	1:82:A:THR:HG23	1:96:A:SER:HB3	2	0.55
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD11	4	0.55
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD12	4	0.55
(1,991)	1:73:A:TYR:HE1	1:171:A:LEU:HD13	4	0.55
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD11	4	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD12	4	0.55
(1,991)	1:73:A:TYR:HE2	1:171:A:LEU:HD13	4	0.55
(1,923)	1:70:A:LEU:HD11	1:71:A:LYS:H	6	0.55
(1,923)	1:70:A:LEU:HD12	1:71:A:LYS:H	6	0.55
(1,923)	1:70:A:LEU:HD13	1:71:A:LYS:H	6	0.55
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG11	9	0.55
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG12	9	0.55
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG13	9	0.55
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	2	0.55
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	2	0.55
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	3	0.55
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	3	0.55
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	6	0.55
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	6	0.55
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE1	3	0.54
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE2	3	0.54
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE1	4	0.54
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE2	4	0.54
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE1	5	0.54
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE2	5	0.54
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD1	3	0.54
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD2	3	0.54
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD1	3	0.54
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD2	3	0.54
(2,490)	1:81:A:ILE:HD11	1:101:A:VAL:H	6	0.54
(2,490)	1:81:A:ILE:HD12	1:101:A:VAL:H	6	0.54
(2,490)	1:81:A:ILE:HD13	1:101:A:VAL:H	6	0.54
(2,473)	1:80:A:GLN:HB2	1:101:A:VAL:HA	7	0.54
(2,473)	1:80:A:GLN:HB3	1:101:A:VAL:HA	7	0.54
(2,473)	1:80:A:GLN:HB2	1:101:A:VAL:HA	8	0.54
(2,473)	1:80:A:GLN:HB3	1:101:A:VAL:HA	8	0.54
(2,397)	1:73:A:TYR:HD1	1:74:A:PHE:HA	6	0.54
(2,397)	1:73:A:TYR:HD2	1:74:A:PHE:HA	6	0.54
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE1	2	0.54
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE2	2	0.54
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE1	10	0.54
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE2	10	0.54
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD21	5	0.54
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD22	5	0.54
(1,2069)	1:148:A:THR:HG21	1:148:A:THR:H	7	0.54
(1,2069)	1:148:A:THR:HG22	1:148:A:THR:H	7	0.54
(1,2069)	1:148:A:THR:HG23	1:148:A:THR:H	7	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2028)	1:143:A:ILE:HD11	1:143:A:ILE:H	8	0.54
(1,2028)	1:143:A:ILE:HD12	1:143:A:ILE:H	8	0.54
(1,2028)	1:143:A:ILE:HD13	1:143:A:ILE:H	8	0.54
(1,2009)	1:142:A:ILE:HD11	1:142:A:ILE:H	6	0.54
(1,2009)	1:142:A:ILE:HD12	1:142:A:ILE:H	6	0.54
(1,2009)	1:142:A:ILE:HD13	1:142:A:ILE:H	6	0.54
(1,1895)	1:134:A:TRP:HB3	1:142:A:ILE:HD11	1	0.54
(1,1895)	1:134:A:TRP:HB3	1:142:A:ILE:HD12	1	0.54
(1,1895)	1:134:A:TRP:HB3	1:142:A:ILE:HD13	1	0.54
(1,1818)	1:131:A:THR:HG21	1:131:A:THR:H	10	0.54
(1,1818)	1:131:A:THR:HG22	1:131:A:THR:H	10	0.54
(1,1818)	1:131:A:THR:HG23	1:131:A:THR:H	10	0.54
(1,1544)	1:102:A:ILE:HG21	1:103:A:SER:H	4	0.54
(1,1544)	1:102:A:ILE:HG22	1:103:A:SER:H	4	0.54
(1,1544)	1:102:A:ILE:HG23	1:103:A:SER:H	4	0.54
(1,1104)	1:77:A:LEU:H	1:104:A:LEU:HD21	8	0.54
(1,1104)	1:77:A:LEU:H	1:104:A:LEU:HD22	8	0.54
(1,1104)	1:77:A:LEU:H	1:104:A:LEU:HD23	8	0.54
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD11	5	0.54
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD12	5	0.54
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD13	5	0.54
(1,700)	1:61:A:LYS:HE2	1:108:A:SER:HB2	10	0.54
(1,700)	1:61:A:LYS:HE2	1:108:A:SER:HB3	10	0.54
(1,700)	1:61:A:LYS:HE3	1:108:A:SER:HB2	10	0.54
(1,700)	1:61:A:LYS:HE3	1:108:A:SER:HB3	10	0.54
(1,650)	1:58:A:VAL:HG11	1:58:A:VAL:H	6	0.54
(1,650)	1:58:A:VAL:HG12	1:58:A:VAL:H	6	0.54
(1,650)	1:58:A:VAL:HG13	1:58:A:VAL:H	6	0.54
(1,650)	1:58:A:VAL:HG21	1:58:A:VAL:H	6	0.54
(1,650)	1:58:A:VAL:HG22	1:58:A:VAL:H	6	0.54
(1,650)	1:58:A:VAL:HG23	1:58:A:VAL:H	6	0.54
(1,296)	1:38:A:ALA:HB1	1:39:A:GLN:H	3	0.54
(1,296)	1:38:A:ALA:HB2	1:39:A:GLN:H	3	0.54
(1,296)	1:38:A:ALA:HB3	1:39:A:GLN:H	3	0.54
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG21	1	0.53
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG22	1	0.53
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG23	1	0.53
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE1	8	0.53
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE2	8	0.53
(2,702)	1:132:A:SER:HB2	1:145:A:TYR:HE1	6	0.53
(2,702)	1:132:A:SER:HB2	1:145:A:TYR:HE2	6	0.53
(2,661)	1:125:A:LYS:HG2	1:126:A:THR:H	3	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,661)	1:125:A:LYS:HG3	1:126:A:THR:H	3	0.53
(2,635)	1:122:A:TYR:HD1	1:126:A:THR:H	1	0.53
(2,635)	1:122:A:TYR:HD2	1:126:A:THR:H	1	0.53
(2,635)	1:122:A:TYR:HD1	1:126:A:THR:H	3	0.53
(2,635)	1:122:A:TYR:HD2	1:126:A:THR:H	3	0.53
(2,535)	1:85:A:TYR:HE1	1:153:A:ILE:H	7	0.53
(2,535)	1:85:A:TYR:HE2	1:153:A:ILE:H	7	0.53
(2,535)	1:85:A:TYR:HE1	1:153:A:ILE:H	8	0.53
(2,535)	1:85:A:TYR:HE2	1:153:A:ILE:H	8	0.53
(2,534)	1:85:A:TYR:HE1	1:151:A:VAL:H	5	0.53
(2,534)	1:85:A:TYR:HE2	1:151:A:VAL:H	5	0.53
(2,490)	1:81:A:ILE:HD11	1:101:A:VAL:H	4	0.53
(2,490)	1:81:A:ILE:HD12	1:101:A:VAL:H	4	0.53
(2,490)	1:81:A:ILE:HD13	1:101:A:VAL:H	4	0.53
(2,473)	1:80:A:GLN:HB2	1:101:A:VAL:HA	4	0.53
(2,473)	1:80:A:GLN:HB3	1:101:A:VAL:HA	4	0.53
(2,473)	1:80:A:GLN:HB2	1:101:A:VAL:HA	5	0.53
(2,473)	1:80:A:GLN:HB3	1:101:A:VAL:HA	5	0.53
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE1	9	0.53
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE2	9	0.53
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE1	2	0.53
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE2	2	0.53
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE1	3	0.53
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE2	3	0.53
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE1	8	0.53
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE2	8	0.53
(1,2028)	1:143:A:ILE:HD11	1:143:A:ILE:H	4	0.53
(1,2028)	1:143:A:ILE:HD12	1:143:A:ILE:H	4	0.53
(1,2028)	1:143:A:ILE:HD13	1:143:A:ILE:H	4	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG21	3	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG22	3	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG23	3	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG21	6	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG22	6	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG23	6	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG21	7	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG22	7	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG23	7	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG21	9	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG22	9	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG23	9	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG21	10	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG22	10	0.53
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG23	10	0.53
(1,1104)	1:77:A:LEU:H	1:104:A:LEU:HD21	4	0.53
(1,1104)	1:77:A:LEU:H	1:104:A:LEU:HD22	4	0.53
(1,1104)	1:77:A:LEU:H	1:104:A:LEU:HD23	4	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD11	1	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD12	1	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD13	1	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD11	3	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD12	3	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD13	3	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD11	6	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD12	6	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD13	6	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD11	9	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD12	9	0.53
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD13	9	0.53
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG11	5	0.53
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG12	5	0.53
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG13	5	0.53
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG21	2	0.53
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG22	2	0.53
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG23	2	0.53
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG21	8	0.53
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG22	8	0.53
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG23	8	0.53
(1,296)	1:38:A:ALA:HB1	1:39:A:GLN:H	1	0.53
(1,296)	1:38:A:ALA:HB2	1:39:A:GLN:H	1	0.53
(1,296)	1:38:A:ALA:HB3	1:39:A:GLN:H	1	0.53
(1,296)	1:38:A:ALA:HB1	1:39:A:GLN:H	2	0.53
(1,296)	1:38:A:ALA:HB2	1:39:A:GLN:H	2	0.53
(1,296)	1:38:A:ALA:HB3	1:39:A:GLN:H	2	0.53
(1,296)	1:38:A:ALA:HB1	1:39:A:GLN:H	5	0.53
(1,296)	1:38:A:ALA:HB2	1:39:A:GLN:H	5	0.53
(1,296)	1:38:A:ALA:HB3	1:39:A:GLN:H	5	0.53
(1,296)	1:38:A:ALA:HB1	1:39:A:GLN:H	6	0.53
(1,296)	1:38:A:ALA:HB2	1:39:A:GLN:H	6	0.53
(1,296)	1:38:A:ALA:HB3	1:39:A:GLN:H	6	0.53
(1,288)	1:36:A:ALA:HB1	1:37:A:GLY:H	8	0.53
(1,288)	1:36:A:ALA:HB2	1:37:A:GLY:H	8	0.53
(1,288)	1:36:A:ALA:HB3	1:37:A:GLY:H	8	0.53
(1,287)	1:36:A:ALA:HB1	1:36:A:ALA:H	9	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:36:A:ALA:HB2	1:36:A:ALA:H	9	0.53
(1,287)	1:36:A:ALA:HB3	1:36:A:ALA:H	9	0.53
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG21	2	0.52
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG22	2	0.52
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG23	2	0.52
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG21	3	0.52
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG22	3	0.52
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG23	3	0.52
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE1	3	0.52
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE2	3	0.52
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD11	1	0.52
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD12	1	0.52
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD13	1	0.52
(2,635)	1:122:A:TYR:HD1	1:126:A:THR:H	6	0.52
(2,635)	1:122:A:TYR:HD2	1:126:A:THR:H	6	0.52
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG2	4	0.52
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG3	4	0.52
(2,523)	1:85:A:TYR:HD1	1:134:A:TRP:H	4	0.52
(2,523)	1:85:A:TYR:HD2	1:134:A:TRP:H	4	0.52
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE1	9	0.52
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE2	9	0.52
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE1	9	0.52
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE2	9	0.52
(2,443)	1:76:A:TYR:HE1	1:78:A:GLN:HE22	10	0.52
(2,443)	1:76:A:TYR:HE2	1:78:A:GLN:HE22	10	0.52
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD1	9	0.52
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD2	9	0.52
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE1	1	0.52
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE2	1	0.52
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE1	7	0.52
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE2	7	0.52
(2,350)	1:63:A:THR:HA	1:175:A:PHE:HE1	6	0.52
(2,350)	1:63:A:THR:HA	1:175:A:PHE:HE2	6	0.52
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD21	9	0.52
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD22	9	0.52
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE1	4	0.52
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE2	4	0.52
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE1	5	0.52
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE2	5	0.52
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE1	9	0.52
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE2	9	0.52
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE1	10	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE2	10	0.52
(1,2463)	1:182:A:VAL:HG21	1:182:A:VAL:H	1	0.52
(1,2463)	1:182:A:VAL:HG22	1:182:A:VAL:H	1	0.52
(1,2463)	1:182:A:VAL:HG23	1:182:A:VAL:H	1	0.52
(1,2463)	1:182:A:VAL:HG21	1:182:A:VAL:H	6	0.52
(1,2463)	1:182:A:VAL:HG22	1:182:A:VAL:H	6	0.52
(1,2463)	1:182:A:VAL:HG23	1:182:A:VAL:H	6	0.52
(1,2463)	1:182:A:VAL:HG21	1:182:A:VAL:H	8	0.52
(1,2463)	1:182:A:VAL:HG22	1:182:A:VAL:H	8	0.52
(1,2463)	1:182:A:VAL:HG23	1:182:A:VAL:H	8	0.52
(1,2463)	1:182:A:VAL:HG21	1:182:A:VAL:H	9	0.52
(1,2463)	1:182:A:VAL:HG22	1:182:A:VAL:H	9	0.52
(1,2463)	1:182:A:VAL:HG23	1:182:A:VAL:H	9	0.52
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG21	3	0.52
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG22	3	0.52
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG23	3	0.52
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG21	3	0.52
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG22	3	0.52
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG23	3	0.52
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG21	3	0.52
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG22	3	0.52
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG23	3	0.52
(1,2449)	1:179:A:VAL:HG21	1:179:A:VAL:H	10	0.52
(1,2449)	1:179:A:VAL:HG22	1:179:A:VAL:H	10	0.52
(1,2449)	1:179:A:VAL:HG23	1:179:A:VAL:H	10	0.52
(1,2324)	1:171:A:LEU:HD21	1:171:A:LEU:H	2	0.52
(1,2324)	1:171:A:LEU:HD22	1:171:A:LEU:H	2	0.52
(1,2324)	1:171:A:LEU:HD23	1:171:A:LEU:H	2	0.52
(1,2324)	1:171:A:LEU:HD21	1:171:A:LEU:H	9	0.52
(1,2324)	1:171:A:LEU:HD22	1:171:A:LEU:H	9	0.52
(1,2324)	1:171:A:LEU:HD23	1:171:A:LEU:H	9	0.52
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG21	1	0.52
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG22	1	0.52
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG23	1	0.52
(1,1546)	1:102:A:ILE:HG21	1:108:A:SER:HA	3	0.52
(1,1546)	1:102:A:ILE:HG22	1:108:A:SER:HA	3	0.52
(1,1546)	1:102:A:ILE:HG23	1:108:A:SER:HA	3	0.52
(1,1546)	1:102:A:ILE:HG21	1:108:A:SER:HA	9	0.52
(1,1546)	1:102:A:ILE:HG22	1:108:A:SER:HA	9	0.52
(1,1546)	1:102:A:ILE:HG23	1:108:A:SER:HA	9	0.52
(1,1537)	1:102:A:ILE:HD11	1:107:A:PRO:HA	5	0.52
(1,1537)	1:102:A:ILE:HD12	1:107:A:PRO:HA	5	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:102:A:ILE:HD13	1:107:A:PRO:HA	5	0.52
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD11	2	0.52
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD12	2	0.52
(1,1103)	1:77:A:LEU:H	1:104:A:LEU:HD13	2	0.52
(1,1088)	1:77:A:LEU:HD11	1:78:A:GLN:H	3	0.52
(1,1088)	1:77:A:LEU:HD12	1:78:A:GLN:H	3	0.52
(1,1088)	1:77:A:LEU:HD13	1:78:A:GLN:H	3	0.52
(1,1088)	1:77:A:LEU:HD21	1:78:A:GLN:H	3	0.52
(1,1088)	1:77:A:LEU:HD22	1:78:A:GLN:H	3	0.52
(1,1088)	1:77:A:LEU:HD23	1:78:A:GLN:H	3	0.52
(1,1088)	1:77:A:LEU:HD11	1:78:A:GLN:H	4	0.52
(1,1088)	1:77:A:LEU:HD12	1:78:A:GLN:H	4	0.52
(1,1088)	1:77:A:LEU:HD13	1:78:A:GLN:H	4	0.52
(1,1088)	1:77:A:LEU:HD21	1:78:A:GLN:H	4	0.52
(1,1088)	1:77:A:LEU:HD22	1:78:A:GLN:H	4	0.52
(1,1088)	1:77:A:LEU:HD23	1:78:A:GLN:H	4	0.52
(1,288)	1:36:A:ALA:HB1	1:37:A:GLY:H	1	0.52
(1,288)	1:36:A:ALA:HB2	1:37:A:GLY:H	1	0.52
(1,288)	1:36:A:ALA:HB3	1:37:A:GLY:H	1	0.52
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	10	0.52
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	10	0.52
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG21	10	0.51
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG22	10	0.51
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG23	10	0.51
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE1	5	0.51
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE2	5	0.51
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE1	9	0.51
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE2	9	0.51
(2,716)	1:142:A:ILE:HB	1:145:A:TYR:HE1	5	0.51
(2,716)	1:142:A:ILE:HB	1:145:A:TYR:HE2	5	0.51
(2,716)	1:142:A:ILE:HB	1:145:A:TYR:HE1	6	0.51
(2,716)	1:142:A:ILE:HB	1:145:A:TYR:HE2	6	0.51
(2,702)	1:132:A:SER:HB2	1:145:A:TYR:HE1	9	0.51
(2,702)	1:132:A:SER:HB2	1:145:A:TYR:HE2	9	0.51
(2,700)	1:132:A:SER:HB3	1:145:A:TYR:HE1	1	0.51
(2,700)	1:132:A:SER:HB3	1:145:A:TYR:HE2	1	0.51
(2,700)	1:132:A:SER:HB3	1:145:A:TYR:HE1	2	0.51
(2,700)	1:132:A:SER:HB3	1:145:A:TYR:HE2	2	0.51
(2,631)	1:122:A:TYR:HD1	1:124:A:ASP:H	7	0.51
(2,631)	1:122:A:TYR:HD2	1:124:A:ASP:H	7	0.51
(2,631)	1:122:A:TYR:HD1	1:124:A:ASP:H	8	0.51
(2,631)	1:122:A:TYR:HD2	1:124:A:ASP:H	8	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,614)	1:118:A:ILE:HG21	1:151:A:VAL:HA	4	0.51
(2,614)	1:118:A:ILE:HG22	1:151:A:VAL:HA	4	0.51
(2,614)	1:118:A:ILE:HG23	1:151:A:VAL:HA	4	0.51
(2,593)	1:114:A:ASP:HB2	1:116:A:GLU:HG2	9	0.51
(2,593)	1:114:A:ASP:HB2	1:116:A:GLU:HG3	9	0.51
(2,535)	1:85:A:TYR:HE1	1:153:A:ILE:H	1	0.51
(2,535)	1:85:A:TYR:HE2	1:153:A:ILE:H	1	0.51
(2,535)	1:85:A:TYR:HE1	1:153:A:ILE:H	3	0.51
(2,535)	1:85:A:TYR:HE2	1:153:A:ILE:H	3	0.51
(2,523)	1:85:A:TYR:HD1	1:134:A:TRP:H	10	0.51
(2,523)	1:85:A:TYR:HD2	1:134:A:TRP:H	10	0.51
(2,490)	1:81:A:ILE:HD11	1:101:A:VAL:H	10	0.51
(2,490)	1:81:A:ILE:HD12	1:101:A:VAL:H	10	0.51
(2,490)	1:81:A:ILE:HD13	1:101:A:VAL:H	10	0.51
(2,348)	1:62:A:VAL:HA	1:175:A:PHE:HD1	6	0.51
(2,348)	1:62:A:VAL:HA	1:175:A:PHE:HD2	6	0.51
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD21	2	0.51
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD22	2	0.51
(2,16)	1:17:A:GLN:HG2	1:18:A:ALA:H	7	0.51
(2,16)	1:17:A:GLN:HG3	1:18:A:ALA:H	7	0.51
(2,16)	1:17:A:GLN:HG2	1:18:A:ALA:H	9	0.51
(2,16)	1:17:A:GLN:HG3	1:18:A:ALA:H	9	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG21	1	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG22	1	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG23	1	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG21	1	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG22	1	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG23	1	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG21	1	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG22	1	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG23	1	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG21	2	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG22	2	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG23	2	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG21	2	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG22	2	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG23	2	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG21	2	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG22	2	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG23	2	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG21	4	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG22	4	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG23	4	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG21	4	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG22	4	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG23	4	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG21	4	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG22	4	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG23	4	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG21	5	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG22	5	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG23	5	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG21	5	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG22	5	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG23	5	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG21	5	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG22	5	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG23	5	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG21	6	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG22	6	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG23	6	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG21	6	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG22	6	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG23	6	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG21	6	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG22	6	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG23	6	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG21	7	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG22	7	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG23	7	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG21	7	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG22	7	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG23	7	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG21	7	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG22	7	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG23	7	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG21	8	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG22	8	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG23	8	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG21	8	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG22	8	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG23	8	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG21	8	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG22	8	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG23	8	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG21	9	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG22	9	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG23	9	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG21	9	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG22	9	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG23	9	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG21	9	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG22	9	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG23	9	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG21	10	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG22	10	0.51
(1,2460)	1:182:A:VAL:HG11	1:182:A:VAL:HG23	10	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG21	10	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG22	10	0.51
(1,2460)	1:182:A:VAL:HG12	1:182:A:VAL:HG23	10	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG21	10	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG22	10	0.51
(1,2460)	1:182:A:VAL:HG13	1:182:A:VAL:HG23	10	0.51
(1,2324)	1:171:A:LEU:HD21	1:171:A:LEU:H	5	0.51
(1,2324)	1:171:A:LEU:HD22	1:171:A:LEU:H	5	0.51
(1,2324)	1:171:A:LEU:HD23	1:171:A:LEU:H	5	0.51
(1,2032)	1:143:A:ILE:HG21	1:144:A:VAL:H	10	0.51
(1,2032)	1:143:A:ILE:HG22	1:144:A:VAL:H	10	0.51
(1,2032)	1:143:A:ILE:HG23	1:144:A:VAL:H	10	0.51
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG21	2	0.51
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG22	2	0.51
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG23	2	0.51
(1,1537)	1:102:A:ILE:HD11	1:107:A:PRO:HA	6	0.51
(1,1537)	1:102:A:ILE:HD12	1:107:A:PRO:HA	6	0.51
(1,1537)	1:102:A:ILE:HD13	1:107:A:PRO:HA	6	0.51
(1,1537)	1:102:A:ILE:HD11	1:107:A:PRO:HA	8	0.51
(1,1537)	1:102:A:ILE:HD12	1:107:A:PRO:HA	8	0.51
(1,1537)	1:102:A:ILE:HD13	1:107:A:PRO:HA	8	0.51
(1,1213)	1:81:A:ILE:HD11	1:81:A:ILE:H	2	0.51
(1,1213)	1:81:A:ILE:HD12	1:81:A:ILE:H	2	0.51
(1,1213)	1:81:A:ILE:HD13	1:81:A:ILE:H	2	0.51
(1,1213)	1:81:A:ILE:HD11	1:81:A:ILE:H	4	0.51
(1,1213)	1:81:A:ILE:HD12	1:81:A:ILE:H	4	0.51
(1,1213)	1:81:A:ILE:HD13	1:81:A:ILE:H	4	0.51
(1,1213)	1:81:A:ILE:HD11	1:81:A:ILE:H	5	0.51
(1,1213)	1:81:A:ILE:HD12	1:81:A:ILE:H	5	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:81:A:ILE:HD13	1:81:A:ILE:H	5	0.51
(1,1213)	1:81:A:ILE:HD11	1:81:A:ILE:H	8	0.51
(1,1213)	1:81:A:ILE:HD12	1:81:A:ILE:H	8	0.51
(1,1213)	1:81:A:ILE:HD13	1:81:A:ILE:H	8	0.51
(1,1213)	1:81:A:ILE:HD11	1:81:A:ILE:H	9	0.51
(1,1213)	1:81:A:ILE:HD12	1:81:A:ILE:H	9	0.51
(1,1213)	1:81:A:ILE:HD13	1:81:A:ILE:H	9	0.51
(1,1213)	1:81:A:ILE:HD11	1:81:A:ILE:H	10	0.51
(1,1213)	1:81:A:ILE:HD12	1:81:A:ILE:H	10	0.51
(1,1213)	1:81:A:ILE:HD13	1:81:A:ILE:H	10	0.51
(1,1104)	1:77:A:LEU:H	1:104:A:LEU:HD21	7	0.51
(1,1104)	1:77:A:LEU:H	1:104:A:LEU:HD22	7	0.51
(1,1104)	1:77:A:LEU:H	1:104:A:LEU:HD23	7	0.51
(1,1088)	1:77:A:LEU:HD11	1:78:A:GLN:H	6	0.51
(1,1088)	1:77:A:LEU:HD12	1:78:A:GLN:H	6	0.51
(1,1088)	1:77:A:LEU:HD13	1:78:A:GLN:H	6	0.51
(1,1088)	1:77:A:LEU:HD21	1:78:A:GLN:H	6	0.51
(1,1088)	1:77:A:LEU:HD22	1:78:A:GLN:H	6	0.51
(1,1088)	1:77:A:LEU:HD23	1:78:A:GLN:H	6	0.51
(1,851)	1:66:A:ASN:HD22	1:70:A:LEU:HD11	9	0.51
(1,851)	1:66:A:ASN:HD22	1:70:A:LEU:HD12	9	0.51
(1,851)	1:66:A:ASN:HD22	1:70:A:LEU:HD13	9	0.51
(1,582)	1:51:A:ILE:HG21	1:55:A:VAL:H	2	0.51
(1,582)	1:51:A:ILE:HG22	1:55:A:VAL:H	2	0.51
(1,582)	1:51:A:ILE:HG23	1:55:A:VAL:H	2	0.51
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG21	1	0.51
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG22	1	0.51
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG23	1	0.51
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG21	3	0.51
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG22	3	0.51
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG23	3	0.51
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG21	4	0.51
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG22	4	0.51
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG23	4	0.51
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG21	9	0.51
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG22	9	0.51
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG23	9	0.51
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD11	8	0.51
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD12	8	0.51
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD13	8	0.51
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG21	9	0.5
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG22	9	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,8)	1:111:A:ILE:HA	1:111:A:ILE:HG23	9	0.5
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE1	9	0.5
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE2	9	0.5
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE1	10	0.5
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE2	10	0.5
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE1	6	0.5
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE2	6	0.5
(2,735)	1:158:A:ALA:H	1:160:A:TYR:HE1	4	0.5
(2,735)	1:158:A:ALA:H	1:160:A:TYR:HE2	4	0.5
(2,702)	1:132:A:SER:HB2	1:145:A:TYR:HE1	7	0.5
(2,702)	1:132:A:SER:HB2	1:145:A:TYR:HE2	7	0.5
(2,659)	1:125:A:LYS:HE2	1:125:A:LYS:H	9	0.5
(2,659)	1:125:A:LYS:HE3	1:125:A:LYS:H	9	0.5
(2,656)	1:125:A:LYS:HB2	1:126:A:THR:H	10	0.5
(2,656)	1:125:A:LYS:HB3	1:126:A:THR:H	10	0.5
(2,635)	1:122:A:TYR:HD1	1:126:A:THR:H	4	0.5
(2,635)	1:122:A:TYR:HD2	1:126:A:THR:H	4	0.5
(2,635)	1:122:A:TYR:HD1	1:126:A:THR:H	9	0.5
(2,635)	1:122:A:TYR:HD2	1:126:A:THR:H	9	0.5
(2,632)	1:122:A:TYR:HD1	1:125:A:LYS:H	2	0.5
(2,632)	1:122:A:TYR:HD2	1:125:A:LYS:H	2	0.5
(2,631)	1:122:A:TYR:HD1	1:124:A:ASP:H	5	0.5
(2,631)	1:122:A:TYR:HD2	1:124:A:ASP:H	5	0.5
(2,631)	1:122:A:TYR:HD1	1:124:A:ASP:H	10	0.5
(2,631)	1:122:A:TYR:HD2	1:124:A:ASP:H	10	0.5
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG2	7	0.5
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG3	7	0.5
(2,590)	1:110:A:VAL:H	1:111:A:ILE:HD11	5	0.5
(2,590)	1:110:A:VAL:H	1:111:A:ILE:HD12	5	0.5
(2,590)	1:110:A:VAL:H	1:111:A:ILE:HD13	5	0.5
(2,523)	1:85:A:TYR:HD1	1:134:A:TRP:H	1	0.5
(2,523)	1:85:A:TYR:HD2	1:134:A:TRP:H	1	0.5
(2,523)	1:85:A:TYR:HD1	1:134:A:TRP:H	3	0.5
(2,523)	1:85:A:TYR:HD2	1:134:A:TRP:H	3	0.5
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG21	1	0.5
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG22	1	0.5
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG23	1	0.5
(2,355)	1:64:A:LEU:H	1:175:A:PHE:HE1	6	0.5
(2,355)	1:64:A:LEU:H	1:175:A:PHE:HE2	6	0.5
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE1	6	0.5
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE2	6	0.5
(2,16)	1:17:A:GLN:HG2	1:18:A:ALA:H	2	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:17:A:GLN:HG3	1:18:A:ALA:H	2	0.5
(2,16)	1:17:A:GLN:HG2	1:18:A:ALA:H	4	0.5
(2,16)	1:17:A:GLN:HG3	1:18:A:ALA:H	4	0.5
(2,16)	1:17:A:GLN:HG2	1:18:A:ALA:H	5	0.5
(2,16)	1:17:A:GLN:HG3	1:18:A:ALA:H	5	0.5
(2,16)	1:17:A:GLN:HG2	1:18:A:ALA:H	10	0.5
(2,16)	1:17:A:GLN:HG3	1:18:A:ALA:H	10	0.5
(2,4)	1:15:A:THR:HG21	1:16:A:ALA:H	10	0.5
(2,4)	1:15:A:THR:HG22	1:16:A:ALA:H	10	0.5
(2,4)	1:15:A:THR:HG23	1:16:A:ALA:H	10	0.5
(1,2449)	1:179:A:VAL:HG21	1:179:A:VAL:H	2	0.5
(1,2449)	1:179:A:VAL:HG22	1:179:A:VAL:H	2	0.5
(1,2449)	1:179:A:VAL:HG23	1:179:A:VAL:H	2	0.5
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE1	4	0.5
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE2	4	0.5
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE1	4	0.5
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE2	4	0.5
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE1	4	0.5
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE2	4	0.5
(1,2131)	1:155:A:ASN:HD21	1:155:A:ASN:HA	5	0.5
(1,2131)	1:155:A:ASN:HD22	1:155:A:ASN:HA	5	0.5
(1,2131)	1:155:A:ASN:HD21	1:155:A:ASN:HA	6	0.5
(1,2131)	1:155:A:ASN:HD22	1:155:A:ASN:HA	6	0.5
(1,2131)	1:155:A:ASN:HD21	1:155:A:ASN:HA	10	0.5
(1,2131)	1:155:A:ASN:HD22	1:155:A:ASN:HA	10	0.5
(1,1758)	1:119:A:ALA:HB1	1:151:A:VAL:H	6	0.5
(1,1758)	1:119:A:ALA:HB2	1:151:A:VAL:H	6	0.5
(1,1758)	1:119:A:ALA:HB3	1:151:A:VAL:H	6	0.5
(1,1213)	1:81:A:ILE:HD11	1:81:A:ILE:H	3	0.5
(1,1213)	1:81:A:ILE:HD12	1:81:A:ILE:H	3	0.5
(1,1213)	1:81:A:ILE:HD13	1:81:A:ILE:H	3	0.5
(1,1213)	1:81:A:ILE:HD11	1:81:A:ILE:H	6	0.5
(1,1213)	1:81:A:ILE:HD12	1:81:A:ILE:H	6	0.5
(1,1213)	1:81:A:ILE:HD13	1:81:A:ILE:H	6	0.5
(1,1213)	1:81:A:ILE:HD11	1:81:A:ILE:H	7	0.5
(1,1213)	1:81:A:ILE:HD12	1:81:A:ILE:H	7	0.5
(1,1213)	1:81:A:ILE:HD13	1:81:A:ILE:H	7	0.5
(1,1090)	1:77:A:LEU:HD11	1:79:A:ILE:H	4	0.5
(1,1090)	1:77:A:LEU:HD12	1:79:A:ILE:H	4	0.5
(1,1090)	1:77:A:LEU:HD13	1:79:A:ILE:H	4	0.5
(1,1090)	1:77:A:LEU:HD21	1:79:A:ILE:H	4	0.5
(1,1090)	1:77:A:LEU:HD22	1:79:A:ILE:H	4	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1090)	1:77:A:LEU:HD23	1:79:A:ILE:H	4	0.5
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD1	6	0.5
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD2	6	0.5
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD1	6	0.5
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD2	6	0.5
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD1	6	0.5
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD2	6	0.5
(1,581)	1:51:A:ILE:HG21	1:53:A:ASP:H	5	0.5
(1,581)	1:51:A:ILE:HG22	1:53:A:ASP:H	5	0.5
(1,581)	1:51:A:ILE:HG23	1:53:A:ASP:H	5	0.5
(1,580)	1:51:A:ILE:HG21	1:53:A:ASP:H	5	0.5
(1,580)	1:51:A:ILE:HG22	1:53:A:ASP:H	5	0.5
(1,580)	1:51:A:ILE:HG23	1:53:A:ASP:H	5	0.5
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG21	5	0.5
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG22	5	0.5
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG23	5	0.5
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG21	7	0.5
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG22	7	0.5
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG23	7	0.5
(1,389)	1:44:A:ILE:HG21	1:44:A:ILE:H	6	0.5
(1,389)	1:44:A:ILE:HG22	1:44:A:ILE:H	6	0.5
(1,389)	1:44:A:ILE:HG23	1:44:A:ILE:H	6	0.5
(1,296)	1:38:A:ALA:HB1	1:39:A:GLN:H	4	0.5
(1,296)	1:38:A:ALA:HB2	1:39:A:GLN:H	4	0.5
(1,296)	1:38:A:ALA:HB3	1:39:A:GLN:H	4	0.5
(1,287)	1:36:A:ALA:HB1	1:36:A:ALA:H	3	0.5
(1,287)	1:36:A:ALA:HB2	1:36:A:ALA:H	3	0.5
(1,287)	1:36:A:ALA:HB3	1:36:A:ALA:H	3	0.5
(2,673)	1:127:A:GLY:H	1:128:A:TYR:HD1	10	0.49
(2,673)	1:127:A:GLY:H	1:128:A:TYR:HD2	10	0.49
(2,593)	1:114:A:ASP:HB2	1:116:A:GLU:HG2	6	0.49
(2,593)	1:114:A:ASP:HB2	1:116:A:GLU:HG3	6	0.49
(2,523)	1:85:A:TYR:HD1	1:134:A:TRP:H	8	0.49
(2,523)	1:85:A:TYR:HD2	1:134:A:TRP:H	8	0.49
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE1	7	0.49
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE2	7	0.49
(2,389)	1:70:A:LEU:HD21	1:172:A:PRO:HD2	7	0.49
(2,389)	1:70:A:LEU:HD22	1:172:A:PRO:HD2	7	0.49
(2,389)	1:70:A:LEU:HD23	1:172:A:PRO:HD2	7	0.49
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG21	9	0.49
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG22	9	0.49
(2,365)	1:66:A:ASN:HB3	1:173:A:VAL:HG23	9	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE1	1	0.49
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE2	1	0.49
(2,16)	1:17:A:GLN:HG2	1:18:A:ALA:H	1	0.49
(2,16)	1:17:A:GLN:HG3	1:18:A:ALA:H	1	0.49
(2,16)	1:17:A:GLN:HG2	1:18:A:ALA:H	8	0.49
(2,16)	1:17:A:GLN:HG3	1:18:A:ALA:H	8	0.49
(1,2462)	1:182:A:VAL:HG11	1:183:A:GLY:H	2	0.49
(1,2462)	1:182:A:VAL:HG12	1:183:A:GLY:H	2	0.49
(1,2462)	1:182:A:VAL:HG13	1:183:A:GLY:H	2	0.49
(1,2462)	1:182:A:VAL:HG11	1:183:A:GLY:H	4	0.49
(1,2462)	1:182:A:VAL:HG12	1:183:A:GLY:H	4	0.49
(1,2462)	1:182:A:VAL:HG13	1:183:A:GLY:H	4	0.49
(1,2462)	1:182:A:VAL:HG11	1:183:A:GLY:H	5	0.49
(1,2462)	1:182:A:VAL:HG12	1:183:A:GLY:H	5	0.49
(1,2462)	1:182:A:VAL:HG13	1:183:A:GLY:H	5	0.49
(1,2462)	1:182:A:VAL:HG11	1:183:A:GLY:H	7	0.49
(1,2462)	1:182:A:VAL:HG12	1:183:A:GLY:H	7	0.49
(1,2462)	1:182:A:VAL:HG13	1:183:A:GLY:H	7	0.49
(1,2462)	1:182:A:VAL:HG11	1:183:A:GLY:H	10	0.49
(1,2462)	1:182:A:VAL:HG12	1:183:A:GLY:H	10	0.49
(1,2462)	1:182:A:VAL:HG13	1:183:A:GLY:H	10	0.49
(1,2131)	1:155:A:ASN:HD21	1:155:A:ASN:HA	3	0.49
(1,2131)	1:155:A:ASN:HD22	1:155:A:ASN:HA	3	0.49
(1,2131)	1:155:A:ASN:HD21	1:155:A:ASN:HA	4	0.49
(1,2131)	1:155:A:ASN:HD22	1:155:A:ASN:HA	4	0.49
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD21	6	0.49
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD22	6	0.49
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD21	6	0.49
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD22	6	0.49
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD21	6	0.49
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD22	6	0.49
(1,2015)	1:142:A:ILE:HG21	1:144:A:VAL:H	5	0.49
(1,2015)	1:142:A:ILE:HG22	1:144:A:VAL:H	5	0.49
(1,2015)	1:142:A:ILE:HG23	1:144:A:VAL:H	5	0.49
(1,2015)	1:142:A:ILE:HG21	1:144:A:VAL:H	8	0.49
(1,2015)	1:142:A:ILE:HG22	1:144:A:VAL:H	8	0.49
(1,2015)	1:142:A:ILE:HG23	1:144:A:VAL:H	8	0.49
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG21	5	0.49
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG22	5	0.49
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG23	5	0.49
(1,1777)	1:121:A:LEU:HD21	1:121:A:LEU:H	8	0.49
(1,1777)	1:121:A:LEU:HD22	1:121:A:LEU:H	8	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	1:121:A:LEU:HD23	1:121:A:LEU:H	8	0.49
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB1	6	0.49
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB2	6	0.49
(1,1548)	1:102:A:ILE:HG21	1:109:A:ALA:HB3	6	0.49
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB1	6	0.49
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB2	6	0.49
(1,1548)	1:102:A:ILE:HG22	1:109:A:ALA:HB3	6	0.49
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB1	6	0.49
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB2	6	0.49
(1,1548)	1:102:A:ILE:HG23	1:109:A:ALA:HB3	6	0.49
(1,1546)	1:102:A:ILE:HG21	1:108:A:SER:HA	7	0.49
(1,1546)	1:102:A:ILE:HG22	1:108:A:SER:HA	7	0.49
(1,1546)	1:102:A:ILE:HG23	1:108:A:SER:HA	7	0.49
(1,1520)	1:100:A:ALA:HB1	1:111:A:ILE:HG21	8	0.49
(1,1520)	1:100:A:ALA:HB1	1:111:A:ILE:HG22	8	0.49
(1,1520)	1:100:A:ALA:HB1	1:111:A:ILE:HG23	8	0.49
(1,1520)	1:100:A:ALA:HB2	1:111:A:ILE:HG21	8	0.49
(1,1520)	1:100:A:ALA:HB2	1:111:A:ILE:HG22	8	0.49
(1,1520)	1:100:A:ALA:HB2	1:111:A:ILE:HG23	8	0.49
(1,1520)	1:100:A:ALA:HB3	1:111:A:ILE:HG21	8	0.49
(1,1520)	1:100:A:ALA:HB3	1:111:A:ILE:HG22	8	0.49
(1,1520)	1:100:A:ALA:HB3	1:111:A:ILE:HG23	8	0.49
(1,1228)	1:81:A:ILE:HG21	1:82:A:THR:HA	6	0.49
(1,1228)	1:81:A:ILE:HG22	1:82:A:THR:HA	6	0.49
(1,1228)	1:81:A:ILE:HG23	1:82:A:THR:HA	6	0.49
(1,1213)	1:81:A:ILE:HD11	1:81:A:ILE:H	1	0.49
(1,1213)	1:81:A:ILE:HD12	1:81:A:ILE:H	1	0.49
(1,1213)	1:81:A:ILE:HD13	1:81:A:ILE:H	1	0.49
(1,1090)	1:77:A:LEU:HD11	1:79:A:ILE:H	8	0.49
(1,1090)	1:77:A:LEU:HD12	1:79:A:ILE:H	8	0.49
(1,1090)	1:77:A:LEU:HD13	1:79:A:ILE:H	8	0.49
(1,1090)	1:77:A:LEU:HD21	1:79:A:ILE:H	8	0.49
(1,1090)	1:77:A:LEU:HD22	1:79:A:ILE:H	8	0.49
(1,1090)	1:77:A:LEU:HD23	1:79:A:ILE:H	8	0.49
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD21	3	0.49
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD22	3	0.49
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD23	3	0.49
(1,581)	1:51:A:ILE:HG21	1:53:A:ASP:H	1	0.49
(1,581)	1:51:A:ILE:HG22	1:53:A:ASP:H	1	0.49
(1,581)	1:51:A:ILE:HG23	1:53:A:ASP:H	1	0.49
(1,580)	1:51:A:ILE:HG21	1:53:A:ASP:H	1	0.49
(1,580)	1:51:A:ILE:HG22	1:53:A:ASP:H	1	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:51:A:ILE:HG23	1:53:A:ASP:H	1	0.49
(1,495)	1:48:A:ILE:HG21	1:50:A:TRP:HE1	3	0.49
(1,495)	1:48:A:ILE:HG22	1:50:A:TRP:HE1	3	0.49
(1,495)	1:48:A:ILE:HG23	1:50:A:TRP:HE1	3	0.49
(1,495)	1:48:A:ILE:HG21	1:50:A:TRP:HE1	5	0.49
(1,495)	1:48:A:ILE:HG22	1:50:A:TRP:HE1	5	0.49
(1,495)	1:48:A:ILE:HG23	1:50:A:TRP:HE1	5	0.49
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB1	9	0.49
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB2	9	0.49
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB3	9	0.49
(2,631)	1:122:A:TYR:HD1	1:124:A:ASP:H	2	0.48
(2,631)	1:122:A:TYR:HD2	1:124:A:ASP:H	2	0.48
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG2	10	0.48
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG3	10	0.48
(1,2448)	1:179:A:VAL:HG11	1:179:A:VAL:H	9	0.48
(1,2448)	1:179:A:VAL:HG12	1:179:A:VAL:H	9	0.48
(1,2448)	1:179:A:VAL:HG13	1:179:A:VAL:H	9	0.48
(1,2131)	1:155:A:ASN:HD21	1:155:A:ASN:HA	8	0.48
(1,2131)	1:155:A:ASN:HD22	1:155:A:ASN:HA	8	0.48
(1,2015)	1:142:A:ILE:HG21	1:144:A:VAL:H	4	0.48
(1,2015)	1:142:A:ILE:HG22	1:144:A:VAL:H	4	0.48
(1,2015)	1:142:A:ILE:HG23	1:144:A:VAL:H	4	0.48
(1,1758)	1:119:A:ALA:HB1	1:151:A:VAL:H	8	0.48
(1,1758)	1:119:A:ALA:HB2	1:151:A:VAL:H	8	0.48
(1,1758)	1:119:A:ALA:HB3	1:151:A:VAL:H	8	0.48
(1,1662)	1:113:A:LEU:HD11	1:113:A:LEU:H	1	0.48
(1,1662)	1:113:A:LEU:HD12	1:113:A:LEU:H	1	0.48
(1,1662)	1:113:A:LEU:HD13	1:113:A:LEU:H	1	0.48
(1,1662)	1:113:A:LEU:HD11	1:113:A:LEU:H	7	0.48
(1,1662)	1:113:A:LEU:HD12	1:113:A:LEU:H	7	0.48
(1,1662)	1:113:A:LEU:HD13	1:113:A:LEU:H	7	0.48
(1,1647)	1:112:A:VAL:HG11	1:112:A:VAL:H	2	0.48
(1,1647)	1:112:A:VAL:HG12	1:112:A:VAL:H	2	0.48
(1,1647)	1:112:A:VAL:HG13	1:112:A:VAL:H	2	0.48
(1,1510)	1:98:A:THR:HG21	1:100:A:ALA:H	2	0.48
(1,1510)	1:98:A:THR:HG22	1:100:A:ALA:H	2	0.48
(1,1510)	1:98:A:THR:HG23	1:100:A:ALA:H	2	0.48
(1,1510)	1:98:A:THR:HG21	1:100:A:ALA:H	10	0.48
(1,1510)	1:98:A:THR:HG22	1:100:A:ALA:H	10	0.48
(1,1510)	1:98:A:THR:HG23	1:100:A:ALA:H	10	0.48
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG21	5	0.48
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG22	5	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG23	5	0.48
(1,289)	1:37:A:GLY:HA3	1:37:A:GLY:H	2	0.48
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD11	2	0.48
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD12	2	0.48
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD13	2	0.48
(1,126)	1:27:A:SER:HB2	1:177:A:PHE:HE1	10	0.48
(1,126)	1:27:A:SER:HB2	1:177:A:PHE:HE2	10	0.48
(1,126)	1:27:A:SER:HB3	1:177:A:PHE:HE1	10	0.48
(1,126)	1:27:A:SER:HB3	1:177:A:PHE:HE2	10	0.48
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE1	2	0.47
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE2	2	0.47
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE1	10	0.47
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE2	10	0.47
(2,656)	1:125:A:LYS:HB2	1:126:A:THR:H	3	0.47
(2,656)	1:125:A:LYS:HB3	1:126:A:THR:H	3	0.47
(2,523)	1:85:A:TYR:HD1	1:134:A:TRP:H	5	0.47
(2,523)	1:85:A:TYR:HD2	1:134:A:TRP:H	5	0.47
(2,523)	1:85:A:TYR:HD1	1:134:A:TRP:H	7	0.47
(2,523)	1:85:A:TYR:HD2	1:134:A:TRP:H	7	0.47
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE1	1	0.47
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE2	1	0.47
(2,389)	1:70:A:LEU:HD21	1:172:A:PRO:HD2	6	0.47
(2,389)	1:70:A:LEU:HD22	1:172:A:PRO:HD2	6	0.47
(2,389)	1:70:A:LEU:HD23	1:172:A:PRO:HD2	6	0.47
(2,240)	1:46:A:TYR:HB2	1:155:A:ASN:HD21	1	0.47
(2,240)	1:46:A:TYR:HB2	1:155:A:ASN:HD22	1	0.47
(2,94)	1:23:A:ILE:HD11	1:53:A:ASP:H	9	0.47
(2,94)	1:23:A:ILE:HD12	1:53:A:ASP:H	9	0.47
(2,94)	1:23:A:ILE:HD13	1:53:A:ASP:H	9	0.47
(1,2463)	1:182:A:VAL:HG21	1:182:A:VAL:H	7	0.47
(1,2463)	1:182:A:VAL:HG22	1:182:A:VAL:H	7	0.47
(1,2463)	1:182:A:VAL:HG23	1:182:A:VAL:H	7	0.47
(1,2462)	1:182:A:VAL:HG11	1:183:A:GLY:H	3	0.47
(1,2462)	1:182:A:VAL:HG12	1:183:A:GLY:H	3	0.47
(1,2462)	1:182:A:VAL:HG13	1:183:A:GLY:H	3	0.47
(1,2448)	1:179:A:VAL:HG11	1:179:A:VAL:H	1	0.47
(1,2448)	1:179:A:VAL:HG12	1:179:A:VAL:H	1	0.47
(1,2448)	1:179:A:VAL:HG13	1:179:A:VAL:H	1	0.47
(1,2448)	1:179:A:VAL:HG11	1:179:A:VAL:H	7	0.47
(1,2448)	1:179:A:VAL:HG12	1:179:A:VAL:H	7	0.47
(1,2448)	1:179:A:VAL:HG13	1:179:A:VAL:H	7	0.47
(1,2131)	1:155:A:ASN:HD21	1:155:A:ASN:HA	1	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2131)	1:155:A:ASN:HD22	1:155:A:ASN:HA	1	0.47
(1,2081)	1:151:A:VAL:HG11	1:153:A:ILE:H	6	0.47
(1,2081)	1:151:A:VAL:HG12	1:153:A:ILE:H	6	0.47
(1,2081)	1:151:A:VAL:HG13	1:153:A:ILE:H	6	0.47
(1,2032)	1:143:A:ILE:HG21	1:144:A:VAL:H	3	0.47
(1,2032)	1:143:A:ILE:HG22	1:144:A:VAL:H	3	0.47
(1,2032)	1:143:A:ILE:HG23	1:144:A:VAL:H	3	0.47
(1,1859)	1:133:A:ILE:HD11	1:144:A:VAL:HB	10	0.47
(1,1859)	1:133:A:ILE:HD12	1:144:A:VAL:HB	10	0.47
(1,1859)	1:133:A:ILE:HD13	1:144:A:VAL:HB	10	0.47
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG21	8	0.47
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG22	8	0.47
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG23	8	0.47
(1,1758)	1:119:A:ALA:HB1	1:151:A:VAL:H	9	0.47
(1,1758)	1:119:A:ALA:HB2	1:151:A:VAL:H	9	0.47
(1,1758)	1:119:A:ALA:HB3	1:151:A:VAL:H	9	0.47
(1,1647)	1:112:A:VAL:HG11	1:112:A:VAL:H	1	0.47
(1,1647)	1:112:A:VAL:HG12	1:112:A:VAL:H	1	0.47
(1,1647)	1:112:A:VAL:HG13	1:112:A:VAL:H	1	0.47
(1,1647)	1:112:A:VAL:HG11	1:112:A:VAL:H	10	0.47
(1,1647)	1:112:A:VAL:HG12	1:112:A:VAL:H	10	0.47
(1,1647)	1:112:A:VAL:HG13	1:112:A:VAL:H	10	0.47
(1,1630)	1:110:A:VAL:HG21	1:110:A:VAL:H	3	0.47
(1,1630)	1:110:A:VAL:HG22	1:110:A:VAL:H	3	0.47
(1,1630)	1:110:A:VAL:HG23	1:110:A:VAL:H	3	0.47
(1,1630)	1:110:A:VAL:HG21	1:110:A:VAL:H	9	0.47
(1,1630)	1:110:A:VAL:HG22	1:110:A:VAL:H	9	0.47
(1,1630)	1:110:A:VAL:HG23	1:110:A:VAL:H	9	0.47
(1,1510)	1:98:A:THR:HG21	1:100:A:ALA:H	1	0.47
(1,1510)	1:98:A:THR:HG22	1:100:A:ALA:H	1	0.47
(1,1510)	1:98:A:THR:HG23	1:100:A:ALA:H	1	0.47
(1,1510)	1:98:A:THR:HG21	1:100:A:ALA:H	4	0.47
(1,1510)	1:98:A:THR:HG22	1:100:A:ALA:H	4	0.47
(1,1510)	1:98:A:THR:HG23	1:100:A:ALA:H	4	0.47
(1,1510)	1:98:A:THR:HG21	1:100:A:ALA:H	8	0.47
(1,1510)	1:98:A:THR:HG22	1:100:A:ALA:H	8	0.47
(1,1510)	1:98:A:THR:HG23	1:100:A:ALA:H	8	0.47
(1,1510)	1:98:A:THR:HG21	1:100:A:ALA:H	9	0.47
(1,1510)	1:98:A:THR:HG22	1:100:A:ALA:H	9	0.47
(1,1510)	1:98:A:THR:HG23	1:100:A:ALA:H	9	0.47
(1,1475)	1:95:A:PHE:HB2	1:96:A:SER:H	2	0.47
(1,1475)	1:95:A:PHE:HB3	1:96:A:SER:H	2	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1460)	1:92:A:LEU:HG	1:93:A:GLY:H	8	0.47
(1,1097)	1:77:A:LEU:HD11	1:160:A:TYR:HB3	9	0.47
(1,1097)	1:77:A:LEU:HD12	1:160:A:TYR:HB3	9	0.47
(1,1097)	1:77:A:LEU:HD13	1:160:A:TYR:HB3	9	0.47
(1,1097)	1:77:A:LEU:HD21	1:160:A:TYR:HB3	9	0.47
(1,1097)	1:77:A:LEU:HD22	1:160:A:TYR:HB3	9	0.47
(1,1097)	1:77:A:LEU:HD23	1:160:A:TYR:HB3	9	0.47
(1,1088)	1:77:A:LEU:HD11	1:78:A:GLN:H	5	0.47
(1,1088)	1:77:A:LEU:HD12	1:78:A:GLN:H	5	0.47
(1,1088)	1:77:A:LEU:HD13	1:78:A:GLN:H	5	0.47
(1,1088)	1:77:A:LEU:HD21	1:78:A:GLN:H	5	0.47
(1,1088)	1:77:A:LEU:HD22	1:78:A:GLN:H	5	0.47
(1,1088)	1:77:A:LEU:HD23	1:78:A:GLN:H	5	0.47
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD21	9	0.47
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD22	9	0.47
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD23	9	0.47
(1,582)	1:51:A:ILE:HG21	1:55:A:VAL:H	9	0.47
(1,582)	1:51:A:ILE:HG22	1:55:A:VAL:H	9	0.47
(1,582)	1:51:A:ILE:HG23	1:55:A:VAL:H	9	0.47
(1,581)	1:51:A:ILE:HG21	1:53:A:ASP:H	2	0.47
(1,581)	1:51:A:ILE:HG22	1:53:A:ASP:H	2	0.47
(1,581)	1:51:A:ILE:HG23	1:53:A:ASP:H	2	0.47
(1,581)	1:51:A:ILE:HG21	1:53:A:ASP:H	3	0.47
(1,581)	1:51:A:ILE:HG22	1:53:A:ASP:H	3	0.47
(1,581)	1:51:A:ILE:HG23	1:53:A:ASP:H	3	0.47
(1,581)	1:51:A:ILE:HG21	1:53:A:ASP:H	8	0.47
(1,581)	1:51:A:ILE:HG22	1:53:A:ASP:H	8	0.47
(1,581)	1:51:A:ILE:HG23	1:53:A:ASP:H	8	0.47
(1,581)	1:51:A:ILE:HG21	1:53:A:ASP:H	9	0.47
(1,581)	1:51:A:ILE:HG22	1:53:A:ASP:H	9	0.47
(1,581)	1:51:A:ILE:HG23	1:53:A:ASP:H	9	0.47
(1,581)	1:51:A:ILE:HG21	1:53:A:ASP:H	10	0.47
(1,581)	1:51:A:ILE:HG22	1:53:A:ASP:H	10	0.47
(1,581)	1:51:A:ILE:HG23	1:53:A:ASP:H	10	0.47
(1,580)	1:51:A:ILE:HG21	1:53:A:ASP:H	2	0.47
(1,580)	1:51:A:ILE:HG22	1:53:A:ASP:H	2	0.47
(1,580)	1:51:A:ILE:HG23	1:53:A:ASP:H	2	0.47
(1,580)	1:51:A:ILE:HG21	1:53:A:ASP:H	3	0.47
(1,580)	1:51:A:ILE:HG22	1:53:A:ASP:H	3	0.47
(1,580)	1:51:A:ILE:HG23	1:53:A:ASP:H	3	0.47
(1,580)	1:51:A:ILE:HG21	1:53:A:ASP:H	8	0.47
(1,580)	1:51:A:ILE:HG22	1:53:A:ASP:H	8	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:51:A:ILE:HG23	1:53:A:ASP:H	8	0.47
(1,580)	1:51:A:ILE:HG21	1:53:A:ASP:H	9	0.47
(1,580)	1:51:A:ILE:HG22	1:53:A:ASP:H	9	0.47
(1,580)	1:51:A:ILE:HG23	1:53:A:ASP:H	9	0.47
(1,580)	1:51:A:ILE:HG21	1:53:A:ASP:H	10	0.47
(1,580)	1:51:A:ILE:HG22	1:53:A:ASP:H	10	0.47
(1,580)	1:51:A:ILE:HG23	1:53:A:ASP:H	10	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB1	1	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB2	1	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB3	1	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB1	2	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB2	2	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB3	2	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB1	3	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB2	3	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB3	3	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB1	6	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB2	6	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB3	6	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB1	7	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB2	7	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB3	7	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB1	8	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB2	8	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB3	8	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB1	10	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB2	10	0.47
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB3	10	0.47
(1,287)	1:36:A:ALA:HB1	1:36:A:ALA:H	7	0.47
(1,287)	1:36:A:ALA:HB2	1:36:A:ALA:H	7	0.47
(1,287)	1:36:A:ALA:HB3	1:36:A:ALA:H	7	0.47
(1,223)	1:32:A:ILE:HD11	1:160:A:TYR:HE1	9	0.47
(1,223)	1:32:A:ILE:HD11	1:160:A:TYR:HE2	9	0.47
(1,223)	1:32:A:ILE:HD12	1:160:A:TYR:HE1	9	0.47
(1,223)	1:32:A:ILE:HD12	1:160:A:TYR:HE2	9	0.47
(1,223)	1:32:A:ILE:HD13	1:160:A:TYR:HE1	9	0.47
(1,223)	1:32:A:ILE:HD13	1:160:A:TYR:HE2	9	0.47
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD11	6	0.47
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD12	6	0.47
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD13	6	0.47
(1,3)	1:16:A:ALA:HB1	1:16:A:ALA:H	2	0.47
(1,3)	1:16:A:ALA:HB2	1:16:A:ALA:H	2	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:16:A:ALA:HB3	1:16:A:ALA:H	2	0.47
(1,3)	1:16:A:ALA:HB1	1:16:A:ALA:H	4	0.47
(1,3)	1:16:A:ALA:HB2	1:16:A:ALA:H	4	0.47
(1,3)	1:16:A:ALA:HB3	1:16:A:ALA:H	4	0.47
(2,16)	1:17:A:GLN:HG2	1:18:A:ALA:H	3	0.46
(2,16)	1:17:A:GLN:HG3	1:18:A:ALA:H	3	0.46
(1,2463)	1:182:A:VAL:HG21	1:182:A:VAL:H	5	0.46
(1,2463)	1:182:A:VAL:HG22	1:182:A:VAL:H	5	0.46
(1,2463)	1:182:A:VAL:HG23	1:182:A:VAL:H	5	0.46
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD21	8	0.46
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD22	8	0.46
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD23	8	0.46
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD21	8	0.46
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD22	8	0.46
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD23	8	0.46
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD21	8	0.46
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD22	8	0.46
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD23	8	0.46
(1,2176)	1:157:A:LYS:HE2	1:159:A:PHE:HE1	10	0.46
(1,2176)	1:157:A:LYS:HE2	1:159:A:PHE:HE2	10	0.46
(1,2176)	1:157:A:LYS:HE3	1:159:A:PHE:HE1	10	0.46
(1,2176)	1:157:A:LYS:HE3	1:159:A:PHE:HE2	10	0.46
(1,2083)	1:151:A:VAL:HG21	1:152:A:ALA:H	5	0.46
(1,2083)	1:151:A:VAL:HG22	1:152:A:ALA:H	5	0.46
(1,2083)	1:151:A:VAL:HG23	1:152:A:ALA:H	5	0.46
(1,2083)	1:151:A:VAL:HG21	1:152:A:ALA:H	7	0.46
(1,2083)	1:151:A:VAL:HG22	1:152:A:ALA:H	7	0.46
(1,2083)	1:151:A:VAL:HG23	1:152:A:ALA:H	7	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG21	1	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG22	1	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG23	1	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG21	2	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG22	2	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG23	2	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG21	3	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG22	3	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG23	3	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG21	4	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG22	4	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG23	4	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG21	5	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG22	5	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG23	5	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG21	6	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG22	6	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG23	6	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG21	7	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG22	7	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG23	7	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG21	9	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG22	9	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG23	9	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG21	10	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG22	10	0.46
(1,1804)	1:129:A:THR:HB	1:129:A:THR:HG23	10	0.46
(1,1647)	1:112:A:VAL:HG11	1:112:A:VAL:H	5	0.46
(1,1647)	1:112:A:VAL:HG12	1:112:A:VAL:H	5	0.46
(1,1647)	1:112:A:VAL:HG13	1:112:A:VAL:H	5	0.46
(1,1647)	1:112:A:VAL:HG11	1:112:A:VAL:H	7	0.46
(1,1647)	1:112:A:VAL:HG12	1:112:A:VAL:H	7	0.46
(1,1647)	1:112:A:VAL:HG13	1:112:A:VAL:H	7	0.46
(1,1630)	1:110:A:VAL:HG21	1:110:A:VAL:H	2	0.46
(1,1630)	1:110:A:VAL:HG22	1:110:A:VAL:H	2	0.46
(1,1630)	1:110:A:VAL:HG23	1:110:A:VAL:H	2	0.46
(1,1630)	1:110:A:VAL:HG21	1:110:A:VAL:H	4	0.46
(1,1630)	1:110:A:VAL:HG22	1:110:A:VAL:H	4	0.46
(1,1630)	1:110:A:VAL:HG23	1:110:A:VAL:H	4	0.46
(1,1630)	1:110:A:VAL:HG21	1:110:A:VAL:H	5	0.46
(1,1630)	1:110:A:VAL:HG22	1:110:A:VAL:H	5	0.46
(1,1630)	1:110:A:VAL:HG23	1:110:A:VAL:H	5	0.46
(1,1630)	1:110:A:VAL:HG21	1:110:A:VAL:H	7	0.46
(1,1630)	1:110:A:VAL:HG22	1:110:A:VAL:H	7	0.46
(1,1630)	1:110:A:VAL:HG23	1:110:A:VAL:H	7	0.46
(1,1630)	1:110:A:VAL:HG21	1:110:A:VAL:H	10	0.46
(1,1630)	1:110:A:VAL:HG22	1:110:A:VAL:H	10	0.46
(1,1630)	1:110:A:VAL:HG23	1:110:A:VAL:H	10	0.46
(1,1546)	1:102:A:ILE:HG21	1:108:A:SER:HA	10	0.46
(1,1546)	1:102:A:ILE:HG22	1:108:A:SER:HA	10	0.46
(1,1546)	1:102:A:ILE:HG23	1:108:A:SER:HA	10	0.46
(1,1545)	1:102:A:ILE:HG21	1:107:A:PRO:HA	4	0.46
(1,1545)	1:102:A:ILE:HG22	1:107:A:PRO:HA	4	0.46
(1,1545)	1:102:A:ILE:HG23	1:107:A:PRO:HA	4	0.46
(1,1343)	1:85:A:TYR:HE1	1:152:A:ALA:HA	5	0.46
(1,1343)	1:85:A:TYR:HE2	1:152:A:ALA:HA	5	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1228)	1:81:A:ILE:HG21	1:82:A:THR:HA	3	0.46
(1,1228)	1:81:A:ILE:HG22	1:82:A:THR:HA	3	0.46
(1,1228)	1:81:A:ILE:HG23	1:82:A:THR:HA	3	0.46
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD21	4	0.46
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD22	4	0.46
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD23	4	0.46
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG11	1	0.46
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG12	1	0.46
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG13	1	0.46
(1,581)	1:51:A:ILE:HG21	1:53:A:ASP:H	7	0.46
(1,581)	1:51:A:ILE:HG22	1:53:A:ASP:H	7	0.46
(1,581)	1:51:A:ILE:HG23	1:53:A:ASP:H	7	0.46
(1,580)	1:51:A:ILE:HG21	1:53:A:ASP:H	7	0.46
(1,580)	1:51:A:ILE:HG22	1:53:A:ASP:H	7	0.46
(1,580)	1:51:A:ILE:HG23	1:53:A:ASP:H	7	0.46
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB1	4	0.46
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB2	4	0.46
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB3	4	0.46
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB1	5	0.46
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB2	5	0.46
(1,294)	1:38:A:ALA:HA	1:38:A:ALA:HB3	5	0.46
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE1	2	0.46
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE2	2	0.46
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE1	2	0.46
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE2	2	0.46
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE1	2	0.46
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE2	2	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG21	1	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG22	1	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG23	1	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG21	2	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG22	2	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG23	2	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG21	3	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG22	3	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG23	3	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG21	4	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG22	4	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG23	4	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG21	5	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG22	5	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG23	5	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG21	6	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG22	6	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG23	6	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG21	7	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG22	7	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG23	7	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG21	8	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG22	8	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG23	8	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG21	9	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG22	9	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG23	9	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG21	10	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG22	10	0.46
(1,1)	1:15:A:THR:HB	1:15:A:THR:HG23	10	0.46
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD1	2	0.45
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD2	2	0.45
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD1	2	0.45
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD2	2	0.45
(2,490)	1:81:A:ILE:HD11	1:101:A:VAL:H	8	0.45
(2,490)	1:81:A:ILE:HD12	1:101:A:VAL:H	8	0.45
(2,490)	1:81:A:ILE:HD13	1:101:A:VAL:H	8	0.45
(2,4)	1:15:A:THR:HG21	1:16:A:ALA:H	1	0.45
(2,4)	1:15:A:THR:HG22	1:16:A:ALA:H	1	0.45
(2,4)	1:15:A:THR:HG23	1:16:A:ALA:H	1	0.45
(1,2449)	1:179:A:VAL:HG21	1:179:A:VAL:H	3	0.45
(1,2449)	1:179:A:VAL:HG22	1:179:A:VAL:H	3	0.45
(1,2449)	1:179:A:VAL:HG23	1:179:A:VAL:H	3	0.45
(1,2449)	1:179:A:VAL:HG21	1:179:A:VAL:H	8	0.45
(1,2449)	1:179:A:VAL:HG22	1:179:A:VAL:H	8	0.45
(1,2449)	1:179:A:VAL:HG23	1:179:A:VAL:H	8	0.45
(1,2246)	1:162:A:ALA:HB1	1:168:A:PHE:HZ	3	0.45
(1,2246)	1:162:A:ALA:HB2	1:168:A:PHE:HZ	3	0.45
(1,2246)	1:162:A:ALA:HB3	1:168:A:PHE:HZ	3	0.45
(1,2246)	1:162:A:ALA:HB1	1:168:A:PHE:HZ	10	0.45
(1,2246)	1:162:A:ALA:HB2	1:168:A:PHE:HZ	10	0.45
(1,2246)	1:162:A:ALA:HB3	1:168:A:PHE:HZ	10	0.45
(1,2083)	1:151:A:VAL:HG21	1:152:A:ALA:H	1	0.45
(1,2083)	1:151:A:VAL:HG22	1:152:A:ALA:H	1	0.45
(1,2083)	1:151:A:VAL:HG23	1:152:A:ALA:H	1	0.45
(1,2083)	1:151:A:VAL:HG21	1:152:A:ALA:H	4	0.45
(1,2083)	1:151:A:VAL:HG22	1:152:A:ALA:H	4	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2083)	1:151:A:VAL:HG23	1:152:A:ALA:H	4	0.45
(1,2083)	1:151:A:VAL:HG21	1:152:A:ALA:H	9	0.45
(1,2083)	1:151:A:VAL:HG22	1:152:A:ALA:H	9	0.45
(1,2083)	1:151:A:VAL:HG23	1:152:A:ALA:H	9	0.45
(1,2038)	1:144:A:VAL:HG21	1:144:A:VAL:H	10	0.45
(1,2038)	1:144:A:VAL:HG22	1:144:A:VAL:H	10	0.45
(1,2038)	1:144:A:VAL:HG23	1:144:A:VAL:H	10	0.45
(1,2015)	1:142:A:ILE:HG21	1:144:A:VAL:H	3	0.45
(1,2015)	1:142:A:ILE:HG22	1:144:A:VAL:H	3	0.45
(1,2015)	1:142:A:ILE:HG23	1:144:A:VAL:H	3	0.45
(1,1844)	1:132:A:SER:HB2	1:142:A:ILE:HG21	1	0.45
(1,1844)	1:132:A:SER:HB2	1:142:A:ILE:HG22	1	0.45
(1,1844)	1:132:A:SER:HB2	1:142:A:ILE:HG23	1	0.45
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG21	4	0.45
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG22	4	0.45
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG23	4	0.45
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG21	10	0.45
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG22	10	0.45
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG23	10	0.45
(1,1766)	1:120:A:VAL:HG11	1:120:A:VAL:H	4	0.45
(1,1766)	1:120:A:VAL:HG12	1:120:A:VAL:H	4	0.45
(1,1766)	1:120:A:VAL:HG13	1:120:A:VAL:H	4	0.45
(1,1647)	1:112:A:VAL:HG11	1:112:A:VAL:H	8	0.45
(1,1647)	1:112:A:VAL:HG12	1:112:A:VAL:H	8	0.45
(1,1647)	1:112:A:VAL:HG13	1:112:A:VAL:H	8	0.45
(1,1630)	1:110:A:VAL:HG21	1:110:A:VAL:H	6	0.45
(1,1630)	1:110:A:VAL:HG22	1:110:A:VAL:H	6	0.45
(1,1630)	1:110:A:VAL:HG23	1:110:A:VAL:H	6	0.45
(1,1338)	1:85:A:TYR:HD1	1:86:A:GLU:H	5	0.45
(1,1338)	1:85:A:TYR:HD2	1:86:A:GLU:H	5	0.45
(1,1270)	1:82:A:THR:HG21	1:83:A:SER:HA	8	0.45
(1,1270)	1:82:A:THR:HG22	1:83:A:SER:HA	8	0.45
(1,1270)	1:82:A:THR:HG23	1:83:A:SER:HA	8	0.45
(1,1236)	1:81:A:ILE:HG21	1:154:A:LEU:HB3	2	0.45
(1,1236)	1:81:A:ILE:HG22	1:154:A:LEU:HB3	2	0.45
(1,1236)	1:81:A:ILE:HG23	1:154:A:LEU:HB3	2	0.45
(1,1228)	1:81:A:ILE:HG21	1:82:A:THR:HA	4	0.45
(1,1228)	1:81:A:ILE:HG22	1:82:A:THR:HA	4	0.45
(1,1228)	1:81:A:ILE:HG23	1:82:A:THR:HA	4	0.45
(1,1228)	1:81:A:ILE:HG21	1:82:A:THR:HA	5	0.45
(1,1228)	1:81:A:ILE:HG22	1:82:A:THR:HA	5	0.45
(1,1228)	1:81:A:ILE:HG23	1:82:A:THR:HA	5	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1228)	1:81:A:ILE:HG21	1:82:A:THR:HA	7	0.45
(1,1228)	1:81:A:ILE:HG22	1:82:A:THR:HA	7	0.45
(1,1228)	1:81:A:ILE:HG23	1:82:A:THR:HA	7	0.45
(1,947)	1:71:A:LYS:HG3	1:71:A:LYS:H	5	0.45
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD21	1	0.45
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD22	1	0.45
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD23	1	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD11	1	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD12	1	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD13	1	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD11	2	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD12	2	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD13	2	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD11	3	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD12	3	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD13	3	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD11	4	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD12	4	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD13	4	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD11	5	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD12	5	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD13	5	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD11	6	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD12	6	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD13	6	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD11	7	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD12	7	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD13	7	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD11	8	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD12	8	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD13	8	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD11	10	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD12	10	0.45
(1,840)	1:66:A:ASN:HB2	1:174:A:ILE:HD13	10	0.45
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD1	3	0.45
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD2	3	0.45
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD1	3	0.45
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD2	3	0.45
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD1	3	0.45
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD2	3	0.45
(1,581)	1:51:A:ILE:HG21	1:53:A:ASP:H	4	0.45
(1,581)	1:51:A:ILE:HG22	1:53:A:ASP:H	4	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:51:A:ILE:HG23	1:53:A:ASP:H	4	0.45
(1,580)	1:51:A:ILE:HG21	1:53:A:ASP:H	4	0.45
(1,580)	1:51:A:ILE:HG22	1:53:A:ASP:H	4	0.45
(1,580)	1:51:A:ILE:HG23	1:53:A:ASP:H	4	0.45
(1,495)	1:48:A:ILE:HG21	1:50:A:TRP:HE1	7	0.45
(1,495)	1:48:A:ILE:HG22	1:50:A:TRP:HE1	7	0.45
(1,495)	1:48:A:ILE:HG23	1:50:A:TRP:HE1	7	0.45
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG21	5	0.45
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG22	5	0.45
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG23	5	0.45
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD21	5	0.45
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD22	5	0.45
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD23	5	0.45
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD21	5	0.45
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD22	5	0.45
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD23	5	0.45
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD21	5	0.45
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD22	5	0.45
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD23	5	0.45
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	4	0.45
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	4	0.45
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE1	4	0.44
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE2	4	0.44
(2,689)	1:131:A:THR:HA	1:145:A:TYR:HD1	1	0.44
(2,689)	1:131:A:THR:HA	1:145:A:TYR:HD2	1	0.44
(2,689)	1:131:A:THR:HA	1:145:A:TYR:HD1	4	0.44
(2,689)	1:131:A:THR:HA	1:145:A:TYR:HD2	4	0.44
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG2	1	0.44
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG3	1	0.44
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG2	8	0.44
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG3	8	0.44
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG2	2	0.44
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG3	2	0.44
(2,454)	1:78:A:GLN:HE21	1:101:A:VAL:HG11	3	0.44
(2,454)	1:78:A:GLN:HE21	1:101:A:VAL:HG12	3	0.44
(2,454)	1:78:A:GLN:HE21	1:101:A:VAL:HG13	3	0.44
(2,295)	1:52:A:LYS:HE2	1:54:A:GLN:HE22	4	0.44
(2,295)	1:52:A:LYS:HE3	1:54:A:GLN:HE22	4	0.44
(1,2449)	1:179:A:VAL:HG21	1:179:A:VAL:H	4	0.44
(1,2449)	1:179:A:VAL:HG22	1:179:A:VAL:H	4	0.44
(1,2449)	1:179:A:VAL:HG23	1:179:A:VAL:H	4	0.44
(1,2449)	1:179:A:VAL:HG21	1:179:A:VAL:H	5	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2449)	1:179:A:VAL:HG22	1:179:A:VAL:H	5	0.44
(1,2449)	1:179:A:VAL:HG23	1:179:A:VAL:H	5	0.44
(1,2449)	1:179:A:VAL:HG21	1:179:A:VAL:H	6	0.44
(1,2449)	1:179:A:VAL:HG22	1:179:A:VAL:H	6	0.44
(1,2449)	1:179:A:VAL:HG23	1:179:A:VAL:H	6	0.44
(1,2246)	1:162:A:ALA:HB1	1:168:A:PHE:HZ	5	0.44
(1,2246)	1:162:A:ALA:HB2	1:168:A:PHE:HZ	5	0.44
(1,2246)	1:162:A:ALA:HB3	1:168:A:PHE:HZ	5	0.44
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD21	3	0.44
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD22	3	0.44
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD21	3	0.44
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD22	3	0.44
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD21	3	0.44
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD22	3	0.44
(1,2083)	1:151:A:VAL:HG21	1:152:A:ALA:H	2	0.44
(1,2083)	1:151:A:VAL:HG22	1:152:A:ALA:H	2	0.44
(1,2083)	1:151:A:VAL:HG23	1:152:A:ALA:H	2	0.44
(1,2083)	1:151:A:VAL:HG21	1:152:A:ALA:H	3	0.44
(1,2083)	1:151:A:VAL:HG22	1:152:A:ALA:H	3	0.44
(1,2083)	1:151:A:VAL:HG23	1:152:A:ALA:H	3	0.44
(1,2083)	1:151:A:VAL:HG21	1:152:A:ALA:H	8	0.44
(1,2083)	1:151:A:VAL:HG22	1:152:A:ALA:H	8	0.44
(1,2083)	1:151:A:VAL:HG23	1:152:A:ALA:H	8	0.44
(1,2038)	1:144:A:VAL:HG21	1:144:A:VAL:H	7	0.44
(1,2038)	1:144:A:VAL:HG22	1:144:A:VAL:H	7	0.44
(1,2038)	1:144:A:VAL:HG23	1:144:A:VAL:H	7	0.44
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG21	8	0.44
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG22	8	0.44
(1,1840)	1:132:A:SER:HB3	1:142:A:ILE:HG23	8	0.44
(1,1766)	1:120:A:VAL:HG11	1:120:A:VAL:H	7	0.44
(1,1766)	1:120:A:VAL:HG12	1:120:A:VAL:H	7	0.44
(1,1766)	1:120:A:VAL:HG13	1:120:A:VAL:H	7	0.44
(1,1766)	1:120:A:VAL:HG11	1:120:A:VAL:H	10	0.44
(1,1766)	1:120:A:VAL:HG12	1:120:A:VAL:H	10	0.44
(1,1766)	1:120:A:VAL:HG13	1:120:A:VAL:H	10	0.44
(1,1546)	1:102:A:ILE:HG21	1:108:A:SER:HA	8	0.44
(1,1546)	1:102:A:ILE:HG22	1:108:A:SER:HA	8	0.44
(1,1546)	1:102:A:ILE:HG23	1:108:A:SER:HA	8	0.44
(1,1343)	1:85:A:TYR:HE1	1:152:A:ALA:HA	4	0.44
(1,1343)	1:85:A:TYR:HE2	1:152:A:ALA:HA	4	0.44
(1,1228)	1:81:A:ILE:HG21	1:82:A:THR:HA	8	0.44
(1,1228)	1:81:A:ILE:HG22	1:82:A:THR:HA	8	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1228)	1:81:A:ILE:HG23	1:82:A:THR:HA	8	0.44
(1,1228)	1:81:A:ILE:HG21	1:82:A:THR:HA	10	0.44
(1,1228)	1:81:A:ILE:HG22	1:82:A:THR:HA	10	0.44
(1,1228)	1:81:A:ILE:HG23	1:82:A:THR:HA	10	0.44
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD1	5	0.44
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD2	5	0.44
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD1	5	0.44
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD2	5	0.44
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD1	5	0.44
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD2	5	0.44
(1,582)	1:51:A:ILE:HG21	1:55:A:VAL:H	3	0.44
(1,582)	1:51:A:ILE:HG22	1:55:A:VAL:H	3	0.44
(1,582)	1:51:A:ILE:HG23	1:55:A:VAL:H	3	0.44
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB1	1	0.44
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB2	1	0.44
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB3	1	0.44
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB1	1	0.44
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB2	1	0.44
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB3	1	0.44
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE1	5	0.44
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE2	5	0.44
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE1	5	0.44
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE2	5	0.44
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE1	5	0.44
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE2	5	0.44
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE1	9	0.44
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE2	9	0.44
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE1	9	0.44
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE2	9	0.44
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE1	9	0.44
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE2	9	0.44
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD21	1	0.44
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD22	1	0.44
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD23	1	0.44
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD21	1	0.44
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD22	1	0.44
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD23	1	0.44
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD21	1	0.44
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD22	1	0.44
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD23	1	0.44
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD21	2	0.44
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD22	2	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD23	2	0.44
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD21	2	0.44
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD22	2	0.44
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD23	2	0.44
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD21	2	0.44
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD22	2	0.44
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD23	2	0.44
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD21	7	0.44
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD22	7	0.44
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD23	7	0.44
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD21	7	0.44
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD22	7	0.44
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD23	7	0.44
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD21	7	0.44
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD22	7	0.44
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD23	7	0.44
(1,86)	1:25:A:VAL:HG21	1:49:A:VAL:HG21	10	0.44
(1,86)	1:25:A:VAL:HG21	1:49:A:VAL:HG22	10	0.44
(1,86)	1:25:A:VAL:HG21	1:49:A:VAL:HG23	10	0.44
(1,86)	1:25:A:VAL:HG22	1:49:A:VAL:HG21	10	0.44
(1,86)	1:25:A:VAL:HG22	1:49:A:VAL:HG22	10	0.44
(1,86)	1:25:A:VAL:HG22	1:49:A:VAL:HG23	10	0.44
(1,86)	1:25:A:VAL:HG23	1:49:A:VAL:HG21	10	0.44
(1,86)	1:25:A:VAL:HG23	1:49:A:VAL:HG22	10	0.44
(1,86)	1:25:A:VAL:HG23	1:49:A:VAL:HG23	10	0.44
(1,6)	1:18:A:ALA:HB1	1:19:A:VAL:H	7	0.44
(1,6)	1:18:A:ALA:HB2	1:19:A:VAL:H	7	0.44
(1,6)	1:18:A:ALA:HB3	1:19:A:VAL:H	7	0.44
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD21	7	0.43
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD22	7	0.43
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD23	7	0.43
(2,754)	1:167:A:LEU:HD21	1:167:A:LEU:H	7	0.43
(2,754)	1:167:A:LEU:HD22	1:167:A:LEU:H	7	0.43
(2,754)	1:167:A:LEU:HD23	1:167:A:LEU:H	7	0.43
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE1	9	0.43
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE2	9	0.43
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD21	4	0.43
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD22	4	0.43
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD23	4	0.43
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD21	4	0.43
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD22	4	0.43
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD23	4	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD21	4	0.43
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD22	4	0.43
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD23	4	0.43
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD21	5	0.43
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD22	5	0.43
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD23	5	0.43
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD21	5	0.43
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD22	5	0.43
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD23	5	0.43
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD21	5	0.43
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD22	5	0.43
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD23	5	0.43
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD21	3	0.43
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD22	3	0.43
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD21	8	0.43
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD22	8	0.43
(1,1630)	1:110:A:VAL:HG21	1:110:A:VAL:H	1	0.43
(1,1630)	1:110:A:VAL:HG22	1:110:A:VAL:H	1	0.43
(1,1630)	1:110:A:VAL:HG23	1:110:A:VAL:H	1	0.43
(1,1510)	1:98:A:THR:HG21	1:100:A:ALA:H	5	0.43
(1,1510)	1:98:A:THR:HG22	1:100:A:ALA:H	5	0.43
(1,1510)	1:98:A:THR:HG23	1:100:A:ALA:H	5	0.43
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG21	6	0.43
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG22	6	0.43
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG23	6	0.43
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG21	6	0.43
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG22	6	0.43
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG23	6	0.43
(1,1337)	1:85:A:TYR:HD1	1:85:A:TYR:H	2	0.43
(1,1337)	1:85:A:TYR:HD2	1:85:A:TYR:H	2	0.43
(1,1228)	1:81:A:ILE:HG21	1:82:A:THR:HA	9	0.43
(1,1228)	1:81:A:ILE:HG22	1:82:A:THR:HA	9	0.43
(1,1228)	1:81:A:ILE:HG23	1:82:A:THR:HA	9	0.43
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD11	9	0.43
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD12	9	0.43
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD13	9	0.43
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD11	9	0.43
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD12	9	0.43
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD13	9	0.43
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD11	9	0.43
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD12	9	0.43
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD13	9	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG21	7	0.43
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG22	7	0.43
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG23	7	0.43
(1,389)	1:44:A:ILE:HG21	1:44:A:ILE:H	7	0.43
(1,389)	1:44:A:ILE:HG22	1:44:A:ILE:H	7	0.43
(1,389)	1:44:A:ILE:HG23	1:44:A:ILE:H	7	0.43
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB1	9	0.43
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB2	9	0.43
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB3	9	0.43
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB1	9	0.43
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB2	9	0.43
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB3	9	0.43
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD11	5	0.43
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD12	5	0.43
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD13	5	0.43
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD11	9	0.43
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD12	9	0.43
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD13	9	0.43
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD21	9	0.43
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD22	9	0.43
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD23	9	0.43
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD21	9	0.43
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD22	9	0.43
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD23	9	0.43
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD21	9	0.43
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD22	9	0.43
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD23	9	0.43
(1,11)	1:20:A:SER:HB2	1:21:A:GLU:H	10	0.43
(1,11)	1:20:A:SER:HB3	1:21:A:GLU:H	10	0.43
(2,719)	1:142:A:ILE:HG21	1:145:A:TYR:HA	5	0.42
(2,719)	1:142:A:ILE:HG22	1:145:A:TYR:HA	5	0.42
(2,719)	1:142:A:ILE:HG23	1:145:A:TYR:HA	5	0.42
(2,614)	1:118:A:ILE:HG21	1:151:A:VAL:HA	2	0.42
(2,614)	1:118:A:ILE:HG22	1:151:A:VAL:HA	2	0.42
(2,614)	1:118:A:ILE:HG23	1:151:A:VAL:HA	2	0.42
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG2	10	0.42
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG3	10	0.42
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD1	10	0.42
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD2	10	0.42
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD1	10	0.42
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD2	10	0.42
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE1	8	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,380)	1:69:A:GLN:HE22	1:73:A:TYR:HE2	8	0.42
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE1	1	0.42
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE2	1	0.42
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE1	1	0.42
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE2	1	0.42
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE1	1	0.42
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE2	1	0.42
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD21	6	0.42
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD22	6	0.42
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD23	6	0.42
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD21	9	0.42
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD22	9	0.42
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD23	9	0.42
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG21	1	0.42
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG22	1	0.42
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG23	1	0.42
(1,2080)	1:151:A:VAL:HG11	1:152:A:ALA:H	10	0.42
(1,2080)	1:151:A:VAL:HG12	1:152:A:ALA:H	10	0.42
(1,2080)	1:151:A:VAL:HG13	1:152:A:ALA:H	10	0.42
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD21	6	0.42
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD22	6	0.42
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD21	9	0.42
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD22	9	0.42
(1,1270)	1:82:A:THR:HG21	1:83:A:SER:HA	4	0.42
(1,1270)	1:82:A:THR:HG22	1:83:A:SER:HA	4	0.42
(1,1270)	1:82:A:THR:HG23	1:83:A:SER:HA	4	0.42
(1,1088)	1:77:A:LEU:HD11	1:78:A:GLN:H	10	0.42
(1,1088)	1:77:A:LEU:HD12	1:78:A:GLN:H	10	0.42
(1,1088)	1:77:A:LEU:HD13	1:78:A:GLN:H	10	0.42
(1,1088)	1:77:A:LEU:HD21	1:78:A:GLN:H	10	0.42
(1,1088)	1:77:A:LEU:HD22	1:78:A:GLN:H	10	0.42
(1,1088)	1:77:A:LEU:HD23	1:78:A:GLN:H	10	0.42
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD21	3	0.42
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD22	3	0.42
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD23	3	0.42
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD21	3	0.42
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD22	3	0.42
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD23	3	0.42
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD21	3	0.42
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD22	3	0.42
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD23	3	0.42
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD21	4	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD22	4	0.42
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD23	4	0.42
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD21	4	0.42
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD22	4	0.42
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD23	4	0.42
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD21	4	0.42
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD22	4	0.42
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD23	4	0.42
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD21	10	0.42
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD22	10	0.42
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD23	10	0.42
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD21	10	0.42
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD22	10	0.42
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD23	10	0.42
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD21	10	0.42
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD22	10	0.42
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD23	10	0.42
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD11	1	0.42
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD12	1	0.42
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD13	1	0.42
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD11	2	0.42
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD12	2	0.42
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD13	2	0.42
(1,3)	1:16:A:ALA:HB1	1:16:A:ALA:H	10	0.42
(1,3)	1:16:A:ALA:HB2	1:16:A:ALA:H	10	0.42
(1,3)	1:16:A:ALA:HB3	1:16:A:ALA:H	10	0.42
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG2	2	0.41
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG3	2	0.41
(2,601)	1:115:A:LYS:HE2	1:116:A:GLU:H	6	0.41
(2,601)	1:115:A:LYS:HE3	1:116:A:GLU:H	6	0.41
(2,240)	1:46:A:TYR:HB2	1:155:A:ASN:HD21	5	0.41
(2,240)	1:46:A:TYR:HB2	1:155:A:ASN:HD22	5	0.41
(2,194)	1:38:A:ALA:HB1	1:39:A:GLN:HE21	4	0.41
(2,194)	1:38:A:ALA:HB2	1:39:A:GLN:HE21	4	0.41
(2,194)	1:38:A:ALA:HB3	1:39:A:GLN:HE21	4	0.41
(2,4)	1:15:A:THR:HG21	1:16:A:ALA:H	3	0.41
(2,4)	1:15:A:THR:HG22	1:16:A:ALA:H	3	0.41
(2,4)	1:15:A:THR:HG23	1:16:A:ALA:H	3	0.41
(1,2246)	1:162:A:ALA:HB1	1:168:A:PHE:HZ	6	0.41
(1,2246)	1:162:A:ALA:HB2	1:168:A:PHE:HZ	6	0.41
(1,2246)	1:162:A:ALA:HB3	1:168:A:PHE:HZ	6	0.41
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD21	1	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD22	1	0.41
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD23	1	0.41
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD21	3	0.41
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD22	3	0.41
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD23	3	0.41
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD21	7	0.41
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD22	7	0.41
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD23	7	0.41
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD21	10	0.41
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD22	10	0.41
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD23	10	0.41
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG21	10	0.41
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG22	10	0.41
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG23	10	0.41
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG21	4	0.41
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG22	4	0.41
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG23	4	0.41
(1,2081)	1:151:A:VAL:HG11	1:153:A:ILE:H	10	0.41
(1,2081)	1:151:A:VAL:HG12	1:153:A:ILE:H	10	0.41
(1,2081)	1:151:A:VAL:HG13	1:153:A:ILE:H	10	0.41
(1,2080)	1:151:A:VAL:HG11	1:152:A:ALA:H	6	0.41
(1,2080)	1:151:A:VAL:HG12	1:152:A:ALA:H	6	0.41
(1,2080)	1:151:A:VAL:HG13	1:152:A:ALA:H	6	0.41
(1,1801)	1:128:A:TYR:HD1	1:131:A:THR:HG21	8	0.41
(1,1801)	1:128:A:TYR:HD1	1:131:A:THR:HG22	8	0.41
(1,1801)	1:128:A:TYR:HD1	1:131:A:THR:HG23	8	0.41
(1,1801)	1:128:A:TYR:HD2	1:131:A:THR:HG21	8	0.41
(1,1801)	1:128:A:TYR:HD2	1:131:A:THR:HG22	8	0.41
(1,1801)	1:128:A:TYR:HD2	1:131:A:THR:HG23	8	0.41
(1,1475)	1:95:A:PHE:HB2	1:96:A:SER:H	5	0.41
(1,1475)	1:95:A:PHE:HB3	1:96:A:SER:H	5	0.41
(1,1275)	1:82:A:THR:HG21	1:96:A:SER:HB2	9	0.41
(1,1275)	1:82:A:THR:HG22	1:96:A:SER:HB2	9	0.41
(1,1275)	1:82:A:THR:HG23	1:96:A:SER:HB2	9	0.41
(1,1270)	1:82:A:THR:HG21	1:83:A:SER:HA	1	0.41
(1,1270)	1:82:A:THR:HG22	1:83:A:SER:HA	1	0.41
(1,1270)	1:82:A:THR:HG23	1:83:A:SER:HA	1	0.41
(1,1270)	1:82:A:THR:HG21	1:83:A:SER:HA	3	0.41
(1,1270)	1:82:A:THR:HG22	1:83:A:SER:HA	3	0.41
(1,1270)	1:82:A:THR:HG23	1:83:A:SER:HA	3	0.41
(1,1270)	1:82:A:THR:HG21	1:83:A:SER:HA	6	0.41
(1,1270)	1:82:A:THR:HG22	1:83:A:SER:HA	6	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:82:A:THR:HG23	1:83:A:SER:HA	6	0.41
(1,1270)	1:82:A:THR:HG21	1:83:A:SER:HA	10	0.41
(1,1270)	1:82:A:THR:HG22	1:83:A:SER:HA	10	0.41
(1,1270)	1:82:A:THR:HG23	1:83:A:SER:HA	10	0.41
(1,837)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	2	0.41
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB1	6	0.41
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB2	6	0.41
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB3	6	0.41
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG21	9	0.41
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG22	9	0.41
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG23	9	0.41
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD11	1	0.41
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD12	1	0.41
(1,205)	1:32:A:ILE:HA	1:32:A:ILE:HD13	1	0.41
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD21	6	0.41
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD22	6	0.41
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD23	6	0.41
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD21	6	0.41
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD22	6	0.41
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD23	6	0.41
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD21	6	0.41
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD22	6	0.41
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD23	6	0.41
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD21	8	0.41
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD22	8	0.41
(1,162)	1:29:A:LEU:HD11	1:29:A:LEU:HD23	8	0.41
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD21	8	0.41
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD22	8	0.41
(1,162)	1:29:A:LEU:HD12	1:29:A:LEU:HD23	8	0.41
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD21	8	0.41
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD22	8	0.41
(1,162)	1:29:A:LEU:HD13	1:29:A:LEU:HD23	8	0.41
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD11	9	0.41
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD12	9	0.41
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD13	9	0.41
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD21	6	0.4
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD22	6	0.4
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD23	6	0.4
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD21	8	0.4
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD22	8	0.4
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD23	8	0.4
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD21	9	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD22	9	0.4
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD23	9	0.4
(2,754)	1:167:A:LEU:HD21	1:167:A:LEU:H	6	0.4
(2,754)	1:167:A:LEU:HD22	1:167:A:LEU:H	6	0.4
(2,754)	1:167:A:LEU:HD23	1:167:A:LEU:H	6	0.4
(2,754)	1:167:A:LEU:HD21	1:167:A:LEU:H	8	0.4
(2,754)	1:167:A:LEU:HD22	1:167:A:LEU:H	8	0.4
(2,754)	1:167:A:LEU:HD23	1:167:A:LEU:H	8	0.4
(2,754)	1:167:A:LEU:HD21	1:167:A:LEU:H	9	0.4
(2,754)	1:167:A:LEU:HD22	1:167:A:LEU:H	9	0.4
(2,754)	1:167:A:LEU:HD23	1:167:A:LEU:H	9	0.4
(2,661)	1:125:A:LYS:HG2	1:126:A:THR:H	10	0.4
(2,661)	1:125:A:LYS:HG3	1:126:A:THR:H	10	0.4
(2,295)	1:52:A:LYS:HE2	1:54:A:GLN:HE22	2	0.4
(2,295)	1:52:A:LYS:HE3	1:54:A:GLN:HE22	2	0.4
(2,227)	1:43:A:ASP:HB3	1:46:A:TYR:HE1	8	0.4
(2,227)	1:43:A:ASP:HB3	1:46:A:TYR:HE2	8	0.4
(2,16)	1:17:A:GLN:HG2	1:18:A:ALA:H	6	0.4
(2,16)	1:17:A:GLN:HG3	1:18:A:ALA:H	6	0.4
(1,2327)	1:171:A:LEU:HG	1:171:A:LEU:H	2	0.4
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD21	3	0.4
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD22	3	0.4
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD23	3	0.4
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD21	3	0.4
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD22	3	0.4
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD23	3	0.4
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD21	3	0.4
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD22	3	0.4
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD23	3	0.4
(1,2284)	1:168:A:PHE:HB2	1:171:A:LEU:HD11	7	0.4
(1,2284)	1:168:A:PHE:HB2	1:171:A:LEU:HD12	7	0.4
(1,2284)	1:168:A:PHE:HB2	1:171:A:LEU:HD13	7	0.4
(1,2191)	1:158:A:ALA:HB1	1:160:A:TYR:HE1	10	0.4
(1,2191)	1:158:A:ALA:HB1	1:160:A:TYR:HE2	10	0.4
(1,2191)	1:158:A:ALA:HB2	1:160:A:TYR:HE1	10	0.4
(1,2191)	1:158:A:ALA:HB2	1:160:A:TYR:HE2	10	0.4
(1,2191)	1:158:A:ALA:HB3	1:160:A:TYR:HE1	10	0.4
(1,2191)	1:158:A:ALA:HB3	1:160:A:TYR:HE2	10	0.4
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD21	8	0.4
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD22	8	0.4
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD23	8	0.4
(1,2038)	1:144:A:VAL:HG21	1:144:A:VAL:H	1	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:144:A:VAL:HG22	1:144:A:VAL:H	1	0.4
(1,2038)	1:144:A:VAL:HG23	1:144:A:VAL:H	1	0.4
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD21	4	0.4
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD22	4	0.4
(1,1941)	1:135:A:VAL:HG21	1:135:A:VAL:H	4	0.4
(1,1941)	1:135:A:VAL:HG22	1:135:A:VAL:H	4	0.4
(1,1941)	1:135:A:VAL:HG23	1:135:A:VAL:H	4	0.4
(1,1630)	1:110:A:VAL:HG21	1:110:A:VAL:H	8	0.4
(1,1630)	1:110:A:VAL:HG22	1:110:A:VAL:H	8	0.4
(1,1630)	1:110:A:VAL:HG23	1:110:A:VAL:H	8	0.4
(1,1475)	1:95:A:PHE:HB2	1:96:A:SER:H	1	0.4
(1,1475)	1:95:A:PHE:HB3	1:96:A:SER:H	1	0.4
(1,1475)	1:95:A:PHE:HB2	1:96:A:SER:H	9	0.4
(1,1475)	1:95:A:PHE:HB3	1:96:A:SER:H	9	0.4
(1,1451)	1:91:A:ALA:HB1	1:91:A:ALA:H	9	0.4
(1,1451)	1:91:A:ALA:HB2	1:91:A:ALA:H	9	0.4
(1,1451)	1:91:A:ALA:HB3	1:91:A:ALA:H	9	0.4
(1,1339)	1:85:A:TYR:HD1	1:135:A:VAL:HA	5	0.4
(1,1339)	1:85:A:TYR:HD2	1:135:A:VAL:HA	5	0.4
(1,1270)	1:82:A:THR:HG21	1:83:A:SER:HA	7	0.4
(1,1270)	1:82:A:THR:HG22	1:83:A:SER:HA	7	0.4
(1,1270)	1:82:A:THR:HG23	1:83:A:SER:HA	7	0.4
(1,1228)	1:81:A:ILE:HG21	1:82:A:THR:HA	1	0.4
(1,1228)	1:81:A:ILE:HG22	1:82:A:THR:HA	1	0.4
(1,1228)	1:81:A:ILE:HG23	1:82:A:THR:HA	1	0.4
(1,844)	1:66:A:ASN:HD21	1:70:A:LEU:HD21	7	0.4
(1,844)	1:66:A:ASN:HD21	1:70:A:LEU:HD22	7	0.4
(1,844)	1:66:A:ASN:HD21	1:70:A:LEU:HD23	7	0.4
(1,605)	1:54:A:GLN:HG2	1:54:A:GLN:H	5	0.4
(1,605)	1:54:A:GLN:HG3	1:54:A:GLN:H	5	0.4
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB1	10	0.4
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB2	10	0.4
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB3	10	0.4
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	3	0.4
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	3	0.4
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	3	0.4
(1,286)	1:36:A:ALA:HA	1:37:A:GLY:H	6	0.4
(1,270)	1:34:A:PRO:HD3	1:168:A:PHE:HE1	2	0.4
(1,270)	1:34:A:PRO:HD3	1:168:A:PHE:HE2	2	0.4
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE1	6	0.4
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE2	6	0.4
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE1	6	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE2	6	0.4
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE1	6	0.4
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE2	6	0.4
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE1	7	0.4
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE2	7	0.4
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE1	7	0.4
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE2	7	0.4
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE1	7	0.4
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE2	7	0.4
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD11	1	0.4
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD12	1	0.4
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD13	1	0.4
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD11	1	0.4
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD12	1	0.4
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD13	1	0.4
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD11	1	0.4
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD12	1	0.4
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD13	1	0.4
(1,166)	1:29:A:LEU:HD11	1:175:A:PHE:H	6	0.4
(1,166)	1:29:A:LEU:HD12	1:175:A:PHE:H	6	0.4
(1,166)	1:29:A:LEU:HD13	1:175:A:PHE:H	6	0.4
(1,11)	1:20:A:SER:HB2	1:21:A:GLU:H	5	0.4
(1,11)	1:20:A:SER:HB3	1:21:A:GLU:H	5	0.4
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD21	5	0.39
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD22	5	0.39
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD23	5	0.39
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD11	8	0.39
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD12	8	0.39
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD13	8	0.39
(2,754)	1:167:A:LEU:HD21	1:167:A:LEU:H	5	0.39
(2,754)	1:167:A:LEU:HD22	1:167:A:LEU:H	5	0.39
(2,754)	1:167:A:LEU:HD23	1:167:A:LEU:H	5	0.39
(2,753)	1:167:A:LEU:HD11	1:167:A:LEU:H	8	0.39
(2,753)	1:167:A:LEU:HD12	1:167:A:LEU:H	8	0.39
(2,753)	1:167:A:LEU:HD13	1:167:A:LEU:H	8	0.39
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE1	6	0.39
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE2	6	0.39
(2,194)	1:38:A:ALA:HB1	1:39:A:GLN:HE21	6	0.39
(2,194)	1:38:A:ALA:HB2	1:39:A:GLN:HE21	6	0.39
(2,194)	1:38:A:ALA:HB3	1:39:A:GLN:HE21	6	0.39
(1,2463)	1:182:A:VAL:HG21	1:182:A:VAL:H	4	0.39
(1,2463)	1:182:A:VAL:HG22	1:182:A:VAL:H	4	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2463)	1:182:A:VAL:HG23	1:182:A:VAL:H	4	0.39
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE1	9	0.39
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE2	9	0.39
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE1	9	0.39
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE2	9	0.39
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE1	9	0.39
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE2	9	0.39
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD21	2	0.39
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD22	2	0.39
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD23	2	0.39
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD21	2	0.39
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD22	2	0.39
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD23	2	0.39
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD21	2	0.39
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD22	2	0.39
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD23	2	0.39
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD21	5	0.39
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD22	5	0.39
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD23	5	0.39
(1,2015)	1:142:A:ILE:HG21	1:144:A:VAL:H	9	0.39
(1,2015)	1:142:A:ILE:HG22	1:144:A:VAL:H	9	0.39
(1,2015)	1:142:A:ILE:HG23	1:144:A:VAL:H	9	0.39
(1,2002)	1:142:A:ILE:HA	1:142:A:ILE:HD11	1	0.39
(1,2002)	1:142:A:ILE:HA	1:142:A:ILE:HD12	1	0.39
(1,2002)	1:142:A:ILE:HA	1:142:A:ILE:HD13	1	0.39
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD21	5	0.39
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD22	5	0.39
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD21	7	0.39
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD22	7	0.39
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD21	9	0.39
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD22	9	0.39
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD21	10	0.39
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD22	10	0.39
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD21	10	0.39
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD22	10	0.39
(1,1941)	1:135:A:VAL:HG21	1:135:A:VAL:H	9	0.39
(1,1941)	1:135:A:VAL:HG22	1:135:A:VAL:H	9	0.39
(1,1941)	1:135:A:VAL:HG23	1:135:A:VAL:H	9	0.39
(1,1777)	1:121:A:LEU:HD21	1:121:A:LEU:H	6	0.39
(1,1777)	1:121:A:LEU:HD22	1:121:A:LEU:H	6	0.39
(1,1777)	1:121:A:LEU:HD23	1:121:A:LEU:H	6	0.39
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD11	4	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD12	4	0.39
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD13	4	0.39
(1,1475)	1:95:A:PHE:HB2	1:96:A:SER:H	8	0.39
(1,1475)	1:95:A:PHE:HB3	1:96:A:SER:H	8	0.39
(1,1451)	1:91:A:ALA:HB1	1:91:A:ALA:H	2	0.39
(1,1451)	1:91:A:ALA:HB2	1:91:A:ALA:H	2	0.39
(1,1451)	1:91:A:ALA:HB3	1:91:A:ALA:H	2	0.39
(1,1338)	1:85:A:TYR:HD1	1:86:A:GLU:H	1	0.39
(1,1338)	1:85:A:TYR:HD2	1:86:A:GLU:H	1	0.39
(1,1270)	1:82:A:THR:HG21	1:83:A:SER:HA	5	0.39
(1,1270)	1:82:A:THR:HG22	1:83:A:SER:HA	5	0.39
(1,1270)	1:82:A:THR:HG23	1:83:A:SER:HA	5	0.39
(1,1270)	1:82:A:THR:HG21	1:83:A:SER:HA	9	0.39
(1,1270)	1:82:A:THR:HG22	1:83:A:SER:HA	9	0.39
(1,1270)	1:82:A:THR:HG23	1:83:A:SER:HA	9	0.39
(1,1236)	1:81:A:ILE:HG21	1:154:A:LEU:HB3	4	0.39
(1,1236)	1:81:A:ILE:HG22	1:154:A:LEU:HB3	4	0.39
(1,1236)	1:81:A:ILE:HG23	1:154:A:LEU:HB3	4	0.39
(1,1236)	1:81:A:ILE:HG21	1:154:A:LEU:HB3	9	0.39
(1,1236)	1:81:A:ILE:HG22	1:154:A:LEU:HB3	9	0.39
(1,1236)	1:81:A:ILE:HG23	1:154:A:LEU:HB3	9	0.39
(1,1228)	1:81:A:ILE:HG21	1:82:A:THR:HA	2	0.39
(1,1228)	1:81:A:ILE:HG22	1:82:A:THR:HA	2	0.39
(1,1228)	1:81:A:ILE:HG23	1:82:A:THR:HA	2	0.39
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG21	2	0.39
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG22	2	0.39
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG23	2	0.39
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG21	2	0.39
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG22	2	0.39
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG23	2	0.39
(1,1097)	1:77:A:LEU:HD11	1:160:A:TYR:HB3	8	0.39
(1,1097)	1:77:A:LEU:HD12	1:160:A:TYR:HB3	8	0.39
(1,1097)	1:77:A:LEU:HD13	1:160:A:TYR:HB3	8	0.39
(1,1097)	1:77:A:LEU:HD21	1:160:A:TYR:HB3	8	0.39
(1,1097)	1:77:A:LEU:HD22	1:160:A:TYR:HB3	8	0.39
(1,1097)	1:77:A:LEU:HD23	1:160:A:TYR:HB3	8	0.39
(1,1091)	1:77:A:LEU:HD11	1:103:A:SER:HA	8	0.39
(1,1091)	1:77:A:LEU:HD12	1:103:A:SER:HA	8	0.39
(1,1091)	1:77:A:LEU:HD13	1:103:A:SER:HA	8	0.39
(1,1091)	1:77:A:LEU:HD21	1:103:A:SER:HA	8	0.39
(1,1091)	1:77:A:LEU:HD22	1:103:A:SER:HA	8	0.39
(1,1091)	1:77:A:LEU:HD23	1:103:A:SER:HA	8	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD1	2	0.39
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD2	2	0.39
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD1	2	0.39
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD2	2	0.39
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD1	2	0.39
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD2	2	0.39
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD1	10	0.39
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD2	10	0.39
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD1	10	0.39
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD2	10	0.39
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD1	10	0.39
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD2	10	0.39
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG11	3	0.39
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG12	3	0.39
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG13	3	0.39
(1,582)	1:51:A:ILE:HG21	1:55:A:VAL:H	1	0.39
(1,582)	1:51:A:ILE:HG22	1:55:A:VAL:H	1	0.39
(1,582)	1:51:A:ILE:HG23	1:55:A:VAL:H	1	0.39
(1,581)	1:51:A:ILE:HG21	1:53:A:ASP:H	6	0.39
(1,581)	1:51:A:ILE:HG22	1:53:A:ASP:H	6	0.39
(1,581)	1:51:A:ILE:HG23	1:53:A:ASP:H	6	0.39
(1,580)	1:51:A:ILE:HG21	1:53:A:ASP:H	6	0.39
(1,580)	1:51:A:ILE:HG22	1:53:A:ASP:H	6	0.39
(1,580)	1:51:A:ILE:HG23	1:53:A:ASP:H	6	0.39
(1,485)	1:48:A:ILE:HG13	1:48:A:ILE:HG21	5	0.39
(1,485)	1:48:A:ILE:HG13	1:48:A:ILE:HG22	5	0.39
(1,485)	1:48:A:ILE:HG13	1:48:A:ILE:HG23	5	0.39
(1,296)	1:38:A:ALA:HB1	1:39:A:GLN:H	7	0.39
(1,296)	1:38:A:ALA:HB2	1:39:A:GLN:H	7	0.39
(1,296)	1:38:A:ALA:HB3	1:39:A:GLN:H	7	0.39
(1,289)	1:37:A:GLY:HA3	1:37:A:GLY:H	3	0.39
(1,289)	1:37:A:GLY:HA3	1:37:A:GLY:H	9	0.39
(1,286)	1:36:A:ALA:HA	1:37:A:GLY:H	5	0.39
(1,260)	1:33:A:THR:HG21	1:34:A:PRO:HD3	2	0.39
(1,260)	1:33:A:THR:HG22	1:34:A:PRO:HD3	2	0.39
(1,260)	1:33:A:THR:HG23	1:34:A:PRO:HD3	2	0.39
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG21	6	0.39
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG22	6	0.39
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG23	6	0.39
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD11	7	0.39
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD12	7	0.39
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD13	7	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD11	8	0.39
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD12	8	0.39
(1,23)	1:23:A:ILE:HA	1:23:A:ILE:HD13	8	0.39
(1,11)	1:20:A:SER:HB2	1:21:A:GLU:H	8	0.39
(1,11)	1:20:A:SER:HB3	1:21:A:GLU:H	8	0.39
(1,3)	1:16:A:ALA:HB1	1:16:A:ALA:H	6	0.39
(1,3)	1:16:A:ALA:HB2	1:16:A:ALA:H	6	0.39
(1,3)	1:16:A:ALA:HB3	1:16:A:ALA:H	6	0.39
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD21	3	0.38
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD22	3	0.38
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD23	3	0.38
(2,754)	1:167:A:LEU:HD21	1:167:A:LEU:H	3	0.38
(2,754)	1:167:A:LEU:HD22	1:167:A:LEU:H	3	0.38
(2,754)	1:167:A:LEU:HD23	1:167:A:LEU:H	3	0.38
(2,729)	1:151:A:VAL:H	1:153:A:ILE:HD11	2	0.38
(2,729)	1:151:A:VAL:H	1:153:A:ILE:HD12	2	0.38
(2,729)	1:151:A:VAL:H	1:153:A:ILE:HD13	2	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG21	1	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG22	1	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG23	1	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG21	2	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG22	2	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG23	2	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG21	4	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG22	4	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG23	4	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG21	5	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG22	5	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG23	5	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG21	7	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG22	7	0.38
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG23	7	0.38
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG21	7	0.38
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG22	7	0.38
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG23	7	0.38
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG21	8	0.38
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG22	8	0.38
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG23	8	0.38
(1,2015)	1:142:A:ILE:HG21	1:144:A:VAL:H	6	0.38
(1,2015)	1:142:A:ILE:HG22	1:144:A:VAL:H	6	0.38
(1,2015)	1:142:A:ILE:HG23	1:144:A:VAL:H	6	0.38
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD21	1	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD22	1	0.38
(1,1941)	1:135:A:VAL:HG21	1:135:A:VAL:H	1	0.38
(1,1941)	1:135:A:VAL:HG22	1:135:A:VAL:H	1	0.38
(1,1941)	1:135:A:VAL:HG23	1:135:A:VAL:H	1	0.38
(1,1941)	1:135:A:VAL:HG21	1:135:A:VAL:H	2	0.38
(1,1941)	1:135:A:VAL:HG22	1:135:A:VAL:H	2	0.38
(1,1941)	1:135:A:VAL:HG23	1:135:A:VAL:H	2	0.38
(1,1941)	1:135:A:VAL:HG21	1:135:A:VAL:H	5	0.38
(1,1941)	1:135:A:VAL:HG22	1:135:A:VAL:H	5	0.38
(1,1941)	1:135:A:VAL:HG23	1:135:A:VAL:H	5	0.38
(1,1695)	1:115:A:LYS:HA	1:118:A:ILE:HD11	9	0.38
(1,1695)	1:115:A:LYS:HA	1:118:A:ILE:HD12	9	0.38
(1,1695)	1:115:A:LYS:HA	1:118:A:ILE:HD13	9	0.38
(1,1475)	1:95:A:PHE:HB2	1:96:A:SER:H	4	0.38
(1,1475)	1:95:A:PHE:HB3	1:96:A:SER:H	4	0.38
(1,1451)	1:91:A:ALA:HB1	1:91:A:ALA:H	1	0.38
(1,1451)	1:91:A:ALA:HB2	1:91:A:ALA:H	1	0.38
(1,1451)	1:91:A:ALA:HB3	1:91:A:ALA:H	1	0.38
(1,1451)	1:91:A:ALA:HB1	1:91:A:ALA:H	4	0.38
(1,1451)	1:91:A:ALA:HB2	1:91:A:ALA:H	4	0.38
(1,1451)	1:91:A:ALA:HB3	1:91:A:ALA:H	4	0.38
(1,1451)	1:91:A:ALA:HB1	1:91:A:ALA:H	5	0.38
(1,1451)	1:91:A:ALA:HB2	1:91:A:ALA:H	5	0.38
(1,1451)	1:91:A:ALA:HB3	1:91:A:ALA:H	5	0.38
(1,1451)	1:91:A:ALA:HB1	1:91:A:ALA:H	8	0.38
(1,1451)	1:91:A:ALA:HB2	1:91:A:ALA:H	8	0.38
(1,1451)	1:91:A:ALA:HB3	1:91:A:ALA:H	8	0.38
(1,1236)	1:81:A:ILE:HG21	1:154:A:LEU:HB3	10	0.38
(1,1236)	1:81:A:ILE:HG22	1:154:A:LEU:HB3	10	0.38
(1,1236)	1:81:A:ILE:HG23	1:154:A:LEU:HB3	10	0.38
(1,1162)	1:79:A:ILE:HG13	1:80:A:GLN:H	4	0.38
(1,1088)	1:77:A:LEU:HD11	1:78:A:GLN:H	7	0.38
(1,1088)	1:77:A:LEU:HD12	1:78:A:GLN:H	7	0.38
(1,1088)	1:77:A:LEU:HD13	1:78:A:GLN:H	7	0.38
(1,1088)	1:77:A:LEU:HD21	1:78:A:GLN:H	7	0.38
(1,1088)	1:77:A:LEU:HD22	1:78:A:GLN:H	7	0.38
(1,1088)	1:77:A:LEU:HD23	1:78:A:GLN:H	7	0.38
(1,837)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	6	0.38
(1,837)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	7	0.38
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB1	2	0.38
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB2	2	0.38
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB3	2	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB1	9	0.38
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB2	9	0.38
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB3	9	0.38
(1,269)	1:34:A:PRO:HD3	1:168:A:PHE:HD1	2	0.38
(1,269)	1:34:A:PRO:HD3	1:168:A:PHE:HD2	2	0.38
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD11	10	0.38
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD12	10	0.38
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD13	10	0.38
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD11	10	0.38
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD12	10	0.38
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD13	10	0.38
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD11	10	0.38
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD12	10	0.38
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD13	10	0.38
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG21	2	0.38
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG22	2	0.38
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG23	2	0.38
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE1	7	0.37
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE2	7	0.37
(2,725)	1:145:A:TYR:HD1	1:147:A:GLU:H	10	0.37
(2,725)	1:145:A:TYR:HD2	1:147:A:GLU:H	10	0.37
(2,724)	1:145:A:TYR:HD1	1:147:A:GLU:HG2	7	0.37
(2,724)	1:145:A:TYR:HD1	1:147:A:GLU:HG3	7	0.37
(2,724)	1:145:A:TYR:HD2	1:147:A:GLU:HG2	7	0.37
(2,724)	1:145:A:TYR:HD2	1:147:A:GLU:HG3	7	0.37
(1,2286)	1:168:A:PHE:HD1	1:168:A:PHE:H	10	0.37
(1,2286)	1:168:A:PHE:HD2	1:168:A:PHE:H	10	0.37
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG21	3	0.37
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG22	3	0.37
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG23	3	0.37
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG21	6	0.37
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG22	6	0.37
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG23	6	0.37
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG21	8	0.37
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG22	8	0.37
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG23	8	0.37
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG21	9	0.37
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG22	9	0.37
(1,2098)	1:153:A:ILE:HB	1:153:A:ILE:HG23	9	0.37
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG21	9	0.37
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG22	9	0.37
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG23	9	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG21	1	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG22	1	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG23	1	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG21	2	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG22	2	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG23	2	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG21	4	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG22	4	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG23	4	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG21	5	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG22	5	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG23	5	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG21	6	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG22	6	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG23	6	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG21	7	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG22	7	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG23	7	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG21	9	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG22	9	0.37
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG23	9	0.37
(1,2038)	1:144:A:VAL:HG21	1:144:A:VAL:H	2	0.37
(1,2038)	1:144:A:VAL:HG22	1:144:A:VAL:H	2	0.37
(1,2038)	1:144:A:VAL:HG23	1:144:A:VAL:H	2	0.37
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD21	7	0.37
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD22	7	0.37
(1,1818)	1:131:A:THR:HG21	1:131:A:THR:H	4	0.37
(1,1818)	1:131:A:THR:HG22	1:131:A:THR:H	4	0.37
(1,1818)	1:131:A:THR:HG23	1:131:A:THR:H	4	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG21	1	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG22	1	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG23	1	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG21	2	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG22	2	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG23	2	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG21	3	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG22	3	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG23	3	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG21	4	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG22	4	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG23	4	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG21	5	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG22	5	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG23	5	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG21	6	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG22	6	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG23	6	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG21	7	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG22	7	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG23	7	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG21	8	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG22	8	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG23	8	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG21	9	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG22	9	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG23	9	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG21	10	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG22	10	0.37
(1,1816)	1:131:A:THR:HB	1:131:A:THR:HG23	10	0.37
(1,1451)	1:91:A:ALA:HB1	1:91:A:ALA:H	3	0.37
(1,1451)	1:91:A:ALA:HB2	1:91:A:ALA:H	3	0.37
(1,1451)	1:91:A:ALA:HB3	1:91:A:ALA:H	3	0.37
(1,1451)	1:91:A:ALA:HB1	1:91:A:ALA:H	6	0.37
(1,1451)	1:91:A:ALA:HB2	1:91:A:ALA:H	6	0.37
(1,1451)	1:91:A:ALA:HB3	1:91:A:ALA:H	6	0.37
(1,1451)	1:91:A:ALA:HB1	1:91:A:ALA:H	7	0.37
(1,1451)	1:91:A:ALA:HB2	1:91:A:ALA:H	7	0.37
(1,1451)	1:91:A:ALA:HB3	1:91:A:ALA:H	7	0.37
(1,1451)	1:91:A:ALA:HB1	1:91:A:ALA:H	10	0.37
(1,1451)	1:91:A:ALA:HB2	1:91:A:ALA:H	10	0.37
(1,1451)	1:91:A:ALA:HB3	1:91:A:ALA:H	10	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG21	2	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG22	2	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG23	2	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG21	4	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG22	4	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG23	4	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG21	6	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG22	6	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG23	6	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG21	7	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG22	7	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG23	7	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG21	10	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG22	10	0.37
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG23	10	0.37
(1,1343)	1:85:A:TYR:HE1	1:152:A:ALA:HA	1	0.37
(1,1343)	1:85:A:TYR:HE2	1:152:A:ALA:HA	1	0.37
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG21	9	0.37
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG22	9	0.37
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG23	9	0.37
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG21	9	0.37
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG22	9	0.37
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG23	9	0.37
(1,1050)	1:76:A:TYR:HA	1:76:A:TYR:HD1	10	0.37
(1,1050)	1:76:A:TYR:HA	1:76:A:TYR:HD2	10	0.37
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD1	6	0.37
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD2	6	0.37
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD1	6	0.37
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD2	6	0.37
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD1	6	0.37
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD2	6	0.37
(1,655)	1:58:A:VAL:H	1:113:A:LEU:HD11	1	0.37
(1,655)	1:58:A:VAL:H	1:113:A:LEU:HD12	1	0.37
(1,655)	1:58:A:VAL:H	1:113:A:LEU:HD13	1	0.37
(1,651)	1:58:A:VAL:HG11	1:59:A:LYS:H	2	0.37
(1,651)	1:58:A:VAL:HG12	1:59:A:LYS:H	2	0.37
(1,651)	1:58:A:VAL:HG13	1:59:A:LYS:H	2	0.37
(1,651)	1:58:A:VAL:HG21	1:59:A:LYS:H	2	0.37
(1,651)	1:58:A:VAL:HG22	1:59:A:LYS:H	2	0.37
(1,651)	1:58:A:VAL:HG23	1:59:A:LYS:H	2	0.37
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG11	1	0.37
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG12	1	0.37
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG13	1	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB1	1	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB2	1	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB3	1	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB1	4	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB2	4	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB3	4	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB1	7	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB2	7	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB3	7	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB1	8	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB2	8	0.37
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB3	8	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	2	0.37
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	2	0.37
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	2	0.37
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	8	0.37
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	8	0.37
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	8	0.37
(1,287)	1:36:A:ALA:HB1	1:36:A:ALA:H	4	0.37
(1,287)	1:36:A:ALA:HB2	1:36:A:ALA:H	4	0.37
(1,287)	1:36:A:ALA:HB3	1:36:A:ALA:H	4	0.37
(1,286)	1:36:A:ALA:HA	1:37:A:GLY:H	1	0.37
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG21	1	0.37
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG22	1	0.37
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG23	1	0.37
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG21	8	0.37
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG22	8	0.37
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG23	8	0.37
(1,123)	1:27:A:SER:HB2	1:27:A:SER:H	1	0.37
(1,123)	1:27:A:SER:HB3	1:27:A:SER:H	1	0.37
(1,123)	1:27:A:SER:HB2	1:27:A:SER:H	2	0.37
(1,123)	1:27:A:SER:HB3	1:27:A:SER:H	2	0.37
(1,123)	1:27:A:SER:HB2	1:27:A:SER:H	3	0.37
(1,123)	1:27:A:SER:HB3	1:27:A:SER:H	3	0.37
(1,123)	1:27:A:SER:HB2	1:27:A:SER:H	5	0.37
(1,123)	1:27:A:SER:HB3	1:27:A:SER:H	5	0.37
(1,123)	1:27:A:SER:HB2	1:27:A:SER:H	6	0.37
(1,123)	1:27:A:SER:HB3	1:27:A:SER:H	6	0.37
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD11	7	0.36
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD12	7	0.36
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD13	7	0.36
(2,753)	1:167:A:LEU:HD11	1:167:A:LEU:H	7	0.36
(2,753)	1:167:A:LEU:HD12	1:167:A:LEU:H	7	0.36
(2,753)	1:167:A:LEU:HD13	1:167:A:LEU:H	7	0.36
(2,725)	1:145:A:TYR:HD1	1:147:A:GLU:H	8	0.36
(2,725)	1:145:A:TYR:HD2	1:147:A:GLU:H	8	0.36
(2,628)	1:122:A:TYR:HB3	1:123:A:PRO:HD2	1	0.36
(2,534)	1:85:A:TYR:HE1	1:151:A:VAL:H	1	0.36
(2,534)	1:85:A:TYR:HE2	1:151:A:VAL:H	1	0.36
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD1	4	0.36
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD2	4	0.36
(1,2371)	1:174:A:ILE:HG21	1:175:A:PHE:H	8	0.36
(1,2371)	1:174:A:ILE:HG22	1:175:A:PHE:H	8	0.36
(1,2371)	1:174:A:ILE:HG23	1:175:A:PHE:H	8	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG21	3	0.36
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG22	3	0.36
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG23	3	0.36
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG21	10	0.36
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG22	10	0.36
(1,2067)	1:148:A:THR:HB	1:148:A:THR:HG23	10	0.36
(1,2054)	1:145:A:TYR:HD1	1:146:A:ASN:H	2	0.36
(1,2054)	1:145:A:TYR:HD2	1:146:A:ASN:H	2	0.36
(1,2032)	1:143:A:ILE:HG21	1:144:A:VAL:H	6	0.36
(1,2032)	1:143:A:ILE:HG22	1:144:A:VAL:H	6	0.36
(1,2032)	1:143:A:ILE:HG23	1:144:A:VAL:H	6	0.36
(1,1941)	1:135:A:VAL:HG21	1:135:A:VAL:H	8	0.36
(1,1941)	1:135:A:VAL:HG22	1:135:A:VAL:H	8	0.36
(1,1941)	1:135:A:VAL:HG23	1:135:A:VAL:H	8	0.36
(1,1941)	1:135:A:VAL:HG21	1:135:A:VAL:H	10	0.36
(1,1941)	1:135:A:VAL:HG22	1:135:A:VAL:H	10	0.36
(1,1941)	1:135:A:VAL:HG23	1:135:A:VAL:H	10	0.36
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG21	6	0.36
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG22	6	0.36
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG23	6	0.36
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG21	6	0.36
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG22	6	0.36
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG23	6	0.36
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG21	6	0.36
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG22	6	0.36
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG23	6	0.36
(1,1707)	1:115:A:LYS:HG2	1:116:A:GLU:H	2	0.36
(1,1707)	1:115:A:LYS:HG3	1:116:A:GLU:H	2	0.36
(1,1707)	1:115:A:LYS:HG2	1:116:A:GLU:H	6	0.36
(1,1707)	1:115:A:LYS:HG3	1:116:A:GLU:H	6	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG21	1	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG22	1	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG23	1	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG21	3	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG22	3	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG23	3	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG21	5	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG22	5	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG23	5	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG21	8	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG22	8	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG23	8	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG21	9	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG22	9	0.36
(1,1447)	1:90:A:THR:HB	1:90:A:THR:HG23	9	0.36
(1,1236)	1:81:A:ILE:HG21	1:154:A:LEU:HB3	3	0.36
(1,1236)	1:81:A:ILE:HG22	1:154:A:LEU:HB3	3	0.36
(1,1236)	1:81:A:ILE:HG23	1:154:A:LEU:HB3	3	0.36
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG21	5	0.36
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG22	5	0.36
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG23	5	0.36
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG21	5	0.36
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG22	5	0.36
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG23	5	0.36
(1,1162)	1:79:A:ILE:HG13	1:80:A:GLN:H	7	0.36
(1,582)	1:51:A:ILE:HG21	1:55:A:VAL:H	5	0.36
(1,582)	1:51:A:ILE:HG22	1:55:A:VAL:H	5	0.36
(1,582)	1:51:A:ILE:HG23	1:55:A:VAL:H	5	0.36
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB1	3	0.36
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB2	3	0.36
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB3	3	0.36
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB1	5	0.36
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB2	5	0.36
(1,520)	1:49:A:VAL:HB	1:152:A:ALA:HB3	5	0.36
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD11	9	0.36
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD12	9	0.36
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD13	9	0.36
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD11	9	0.36
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD12	9	0.36
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD13	9	0.36
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD11	9	0.36
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD12	9	0.36
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD13	9	0.36
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD11	7	0.36
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD12	7	0.36
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD13	7	0.36
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE1	2	0.35
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE2	2	0.35
(2,731)	1:155:A:ASN:H	1:156:A:PHE:HD1	6	0.35
(2,731)	1:155:A:ASN:H	1:156:A:PHE:HD2	6	0.35
(2,714)	1:141:A:LYS:HD2	1:142:A:ILE:H	6	0.35
(2,714)	1:141:A:LYS:HD3	1:142:A:ILE:H	6	0.35
(2,593)	1:114:A:ASP:HB2	1:116:A:GLU:HG2	4	0.35
(2,593)	1:114:A:ASP:HB2	1:116:A:GLU:HG3	4	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,178)	1:36:A:ALA:H	1:37:A:GLY:H	7	0.35
(1,2327)	1:171:A:LEU:HG	1:171:A:LEU:H	9	0.35
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD21	9	0.35
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD22	9	0.35
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD23	9	0.35
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD21	9	0.35
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD22	9	0.35
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD23	9	0.35
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD21	9	0.35
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD22	9	0.35
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD23	9	0.35
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG21	2	0.35
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG22	2	0.35
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG23	2	0.35
(1,2054)	1:145:A:TYR:HD1	1:146:A:ASN:H	1	0.35
(1,2054)	1:145:A:TYR:HD2	1:146:A:ASN:H	1	0.35
(1,2010)	1:142:A:ILE:HD11	1:145:A:TYR:HD1	8	0.35
(1,2010)	1:142:A:ILE:HD11	1:145:A:TYR:HD2	8	0.35
(1,2010)	1:142:A:ILE:HD12	1:145:A:TYR:HD1	8	0.35
(1,2010)	1:142:A:ILE:HD12	1:145:A:TYR:HD2	8	0.35
(1,2010)	1:142:A:ILE:HD13	1:145:A:TYR:HD1	8	0.35
(1,2010)	1:142:A:ILE:HD13	1:145:A:TYR:HD2	8	0.35
(1,1941)	1:135:A:VAL:HG21	1:135:A:VAL:H	6	0.35
(1,1941)	1:135:A:VAL:HG22	1:135:A:VAL:H	6	0.35
(1,1941)	1:135:A:VAL:HG23	1:135:A:VAL:H	6	0.35
(1,1765)	1:120:A:VAL:HB	1:122:A:TYR:HE1	3	0.35
(1,1765)	1:120:A:VAL:HB	1:122:A:TYR:HE2	3	0.35
(1,1747)	1:118:A:ILE:HD11	1:118:A:ILE:H	10	0.35
(1,1747)	1:118:A:ILE:HD12	1:118:A:ILE:H	10	0.35
(1,1747)	1:118:A:ILE:HD13	1:118:A:ILE:H	10	0.35
(1,1707)	1:115:A:LYS:HG2	1:116:A:GLU:H	1	0.35
(1,1707)	1:115:A:LYS:HG3	1:116:A:GLU:H	1	0.35
(1,1707)	1:115:A:LYS:HG2	1:116:A:GLU:H	8	0.35
(1,1707)	1:115:A:LYS:HG3	1:116:A:GLU:H	8	0.35
(1,1556)	1:103:A:SER:HA	1:104:A:LEU:HB3	9	0.35
(1,1556)	1:103:A:SER:HA	1:104:A:LEU:HB3	10	0.35
(1,1475)	1:95:A:PHE:HB2	1:96:A:SER:H	10	0.35
(1,1475)	1:95:A:PHE:HB3	1:96:A:SER:H	10	0.35
(1,1399)	1:87:A:THR:HG21	1:87:A:THR:H	3	0.35
(1,1399)	1:87:A:THR:HG22	1:87:A:THR:H	3	0.35
(1,1399)	1:87:A:THR:HG23	1:87:A:THR:H	3	0.35
(1,1270)	1:82:A:THR:HG21	1:83:A:SER:HA	2	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:82:A:THR:HG22	1:83:A:SER:HA	2	0.35
(1,1270)	1:82:A:THR:HG23	1:83:A:SER:HA	2	0.35
(1,1162)	1:79:A:ILE:HG13	1:80:A:GLN:H	3	0.35
(1,1162)	1:79:A:ILE:HG13	1:80:A:GLN:H	8	0.35
(1,1090)	1:77:A:LEU:HD11	1:79:A:ILE:H	5	0.35
(1,1090)	1:77:A:LEU:HD12	1:79:A:ILE:H	5	0.35
(1,1090)	1:77:A:LEU:HD13	1:79:A:ILE:H	5	0.35
(1,1090)	1:77:A:LEU:HD21	1:79:A:ILE:H	5	0.35
(1,1090)	1:77:A:LEU:HD22	1:79:A:ILE:H	5	0.35
(1,1090)	1:77:A:LEU:HD23	1:79:A:ILE:H	5	0.35
(1,1090)	1:77:A:LEU:HD11	1:79:A:ILE:H	6	0.35
(1,1090)	1:77:A:LEU:HD12	1:79:A:ILE:H	6	0.35
(1,1090)	1:77:A:LEU:HD13	1:79:A:ILE:H	6	0.35
(1,1090)	1:77:A:LEU:HD21	1:79:A:ILE:H	6	0.35
(1,1090)	1:77:A:LEU:HD22	1:79:A:ILE:H	6	0.35
(1,1090)	1:77:A:LEU:HD23	1:79:A:ILE:H	6	0.35
(1,965)	1:72:A:PRO:HB2	1:73:A:TYR:HD1	10	0.35
(1,965)	1:72:A:PRO:HB2	1:73:A:TYR:HD2	10	0.35
(1,922)	1:70:A:LEU:HD11	1:70:A:LEU:H	6	0.35
(1,922)	1:70:A:LEU:HD12	1:70:A:LEU:H	6	0.35
(1,922)	1:70:A:LEU:HD13	1:70:A:LEU:H	6	0.35
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG21	1	0.35
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG22	1	0.35
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG23	1	0.35
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG11	2	0.35
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG12	2	0.35
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG13	2	0.35
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG11	2	0.35
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG12	2	0.35
(1,599)	1:53:A:ASP:H	1:55:A:VAL:HG13	2	0.35
(1,389)	1:44:A:ILE:HG21	1:44:A:ILE:H	5	0.35
(1,389)	1:44:A:ILE:HG22	1:44:A:ILE:H	5	0.35
(1,389)	1:44:A:ILE:HG23	1:44:A:ILE:H	5	0.35
(1,356)	1:42:A:ASP:HB2	1:160:A:TYR:HE1	6	0.35
(1,356)	1:42:A:ASP:HB2	1:160:A:TYR:HE2	6	0.35
(1,356)	1:42:A:ASP:HB3	1:160:A:TYR:HE1	6	0.35
(1,356)	1:42:A:ASP:HB3	1:160:A:TYR:HE2	6	0.35
(1,286)	1:36:A:ALA:HA	1:37:A:GLY:H	2	0.35
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD11	5	0.35
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD12	5	0.35
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD13	5	0.35
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD11	5	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD12	5	0.35
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD13	5	0.35
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD11	5	0.35
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD12	5	0.35
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD13	5	0.35
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE1	3	0.34
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE2	3	0.34
(2,129)	1:28:A:HIS:H	1:156:A:PHE:HE1	1	0.34
(2,129)	1:28:A:HIS:H	1:156:A:PHE:HE2	1	0.34
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG21	2	0.34
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG22	2	0.34
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG23	2	0.34
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG21	2	0.34
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG22	2	0.34
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG23	2	0.34
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG21	2	0.34
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG22	2	0.34
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG23	2	0.34
(1,2327)	1:171:A:LEU:HG	1:171:A:LEU:H	7	0.34
(1,2321)	1:171:A:LEU:HD11	1:171:A:LEU:H	6	0.34
(1,2321)	1:171:A:LEU:HD12	1:171:A:LEU:H	6	0.34
(1,2321)	1:171:A:LEU:HD13	1:171:A:LEU:H	6	0.34
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD21	1	0.34
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD22	1	0.34
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD23	1	0.34
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD21	1	0.34
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD22	1	0.34
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD23	1	0.34
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD21	1	0.34
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD22	1	0.34
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD23	1	0.34
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD21	10	0.34
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD22	10	0.34
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD23	10	0.34
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD21	10	0.34
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD22	10	0.34
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD23	10	0.34
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD21	10	0.34
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD22	10	0.34
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD23	10	0.34
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD21	8	0.34
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD22	8	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD21	8	0.34
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD22	8	0.34
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD21	8	0.34
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD22	8	0.34
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG21	5	0.34
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG22	5	0.34
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG23	5	0.34
(1,2054)	1:145:A:TYR:HD1	1:146:A:ASN:H	4	0.34
(1,2054)	1:145:A:TYR:HD2	1:146:A:ASN:H	4	0.34
(1,2054)	1:145:A:TYR:HD1	1:146:A:ASN:H	9	0.34
(1,2054)	1:145:A:TYR:HD2	1:146:A:ASN:H	9	0.34
(1,2038)	1:144:A:VAL:HG21	1:144:A:VAL:H	3	0.34
(1,2038)	1:144:A:VAL:HG22	1:144:A:VAL:H	3	0.34
(1,2038)	1:144:A:VAL:HG23	1:144:A:VAL:H	3	0.34
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD21	2	0.34
(1,1940)	1:135:A:VAL:HG11	1:155:A:ASN:HD22	2	0.34
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD21	2	0.34
(1,1940)	1:135:A:VAL:HG12	1:155:A:ASN:HD22	2	0.34
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD21	2	0.34
(1,1940)	1:135:A:VAL:HG13	1:155:A:ASN:HD22	2	0.34
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG21	3	0.34
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG22	3	0.34
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG23	3	0.34
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG21	3	0.34
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG22	3	0.34
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG23	3	0.34
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG21	3	0.34
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG22	3	0.34
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG23	3	0.34
(1,1844)	1:132:A:SER:HB2	1:142:A:ILE:HG21	2	0.34
(1,1844)	1:132:A:SER:HB2	1:142:A:ILE:HG22	2	0.34
(1,1844)	1:132:A:SER:HB2	1:142:A:ILE:HG23	2	0.34
(1,1706)	1:115:A:LYS:HG2	1:115:A:LYS:H	4	0.34
(1,1706)	1:115:A:LYS:HG3	1:115:A:LYS:H	4	0.34
(1,1706)	1:115:A:LYS:HG2	1:115:A:LYS:H	10	0.34
(1,1706)	1:115:A:LYS:HG3	1:115:A:LYS:H	10	0.34
(1,1556)	1:103:A:SER:HA	1:104:A:LEU:HB3	2	0.34
(1,1546)	1:102:A:ILE:HG21	1:108:A:SER:HA	1	0.34
(1,1546)	1:102:A:ILE:HG22	1:108:A:SER:HA	1	0.34
(1,1546)	1:102:A:ILE:HG23	1:108:A:SER:HA	1	0.34
(1,1537)	1:102:A:ILE:HD11	1:107:A:PRO:HA	3	0.34
(1,1537)	1:102:A:ILE:HD12	1:107:A:PRO:HA	3	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:102:A:ILE:HD13	1:107:A:PRO:HA	3	0.34
(1,1162)	1:79:A:ILE:HG13	1:80:A:GLN:H	10	0.34
(1,844)	1:66:A:ASN:HD21	1:70:A:LEU:HD21	6	0.34
(1,844)	1:66:A:ASN:HD21	1:70:A:LEU:HD22	6	0.34
(1,844)	1:66:A:ASN:HD21	1:70:A:LEU:HD23	6	0.34
(1,837)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	1	0.34
(1,597)	1:53:A:ASP:HB2	1:54:A:GLN:H	6	0.34
(1,597)	1:53:A:ASP:HB3	1:54:A:GLN:H	6	0.34
(1,495)	1:48:A:ILE:HG21	1:50:A:TRP:HE1	8	0.34
(1,495)	1:48:A:ILE:HG22	1:50:A:TRP:HE1	8	0.34
(1,495)	1:48:A:ILE:HG23	1:50:A:TRP:HE1	8	0.34
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	6	0.34
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	6	0.34
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	6	0.34
(1,389)	1:44:A:ILE:HG21	1:44:A:ILE:H	2	0.34
(1,389)	1:44:A:ILE:HG22	1:44:A:ILE:H	2	0.34
(1,389)	1:44:A:ILE:HG23	1:44:A:ILE:H	2	0.34
(1,389)	1:44:A:ILE:HG21	1:44:A:ILE:H	4	0.34
(1,389)	1:44:A:ILE:HG22	1:44:A:ILE:H	4	0.34
(1,389)	1:44:A:ILE:HG23	1:44:A:ILE:H	4	0.34
(1,270)	1:34:A:PRO:HD3	1:168:A:PHE:HE1	8	0.34
(1,270)	1:34:A:PRO:HD3	1:168:A:PHE:HE2	8	0.34
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE1	4	0.34
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE2	4	0.34
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE1	4	0.34
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE2	4	0.34
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE1	4	0.34
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE2	4	0.34
(2,735)	1:158:A:ALA:H	1:160:A:TYR:HE1	2	0.33
(2,735)	1:158:A:ALA:H	1:160:A:TYR:HE2	2	0.33
(2,734)	1:158:A:ALA:H	1:159:A:PHE:HD1	10	0.33
(2,734)	1:158:A:ALA:H	1:159:A:PHE:HD2	10	0.33
(1,2463)	1:182:A:VAL:HG21	1:182:A:VAL:H	2	0.33
(1,2463)	1:182:A:VAL:HG22	1:182:A:VAL:H	2	0.33
(1,2463)	1:182:A:VAL:HG23	1:182:A:VAL:H	2	0.33
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG21	7	0.33
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG22	7	0.33
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG23	7	0.33
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG21	7	0.33
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG22	7	0.33
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG23	7	0.33
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG21	7	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG22	7	0.33
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG23	7	0.33
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD21	7	0.33
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD22	7	0.33
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD23	7	0.33
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD21	7	0.33
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD22	7	0.33
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD23	7	0.33
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD21	7	0.33
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD22	7	0.33
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD23	7	0.33
(1,2286)	1:168:A:PHE:HD1	1:168:A:PHE:H	1	0.33
(1,2286)	1:168:A:PHE:HD2	1:168:A:PHE:H	1	0.33
(1,2286)	1:168:A:PHE:HD1	1:168:A:PHE:H	3	0.33
(1,2286)	1:168:A:PHE:HD2	1:168:A:PHE:H	3	0.33
(1,2286)	1:168:A:PHE:HD1	1:168:A:PHE:H	5	0.33
(1,2286)	1:168:A:PHE:HD2	1:168:A:PHE:H	5	0.33
(1,2191)	1:158:A:ALA:HB1	1:160:A:TYR:HE1	2	0.33
(1,2191)	1:158:A:ALA:HB1	1:160:A:TYR:HE2	2	0.33
(1,2191)	1:158:A:ALA:HB2	1:160:A:TYR:HE1	2	0.33
(1,2191)	1:158:A:ALA:HB2	1:160:A:TYR:HE2	2	0.33
(1,2191)	1:158:A:ALA:HB3	1:160:A:TYR:HE1	2	0.33
(1,2191)	1:158:A:ALA:HB3	1:160:A:TYR:HE2	2	0.33
(1,2120)	1:154:A:LEU:HG	1:154:A:LEU:H	2	0.33
(1,2038)	1:144:A:VAL:HG21	1:144:A:VAL:H	8	0.33
(1,2038)	1:144:A:VAL:HG22	1:144:A:VAL:H	8	0.33
(1,2038)	1:144:A:VAL:HG23	1:144:A:VAL:H	8	0.33
(1,2032)	1:143:A:ILE:HG21	1:144:A:VAL:H	9	0.33
(1,2032)	1:143:A:ILE:HG22	1:144:A:VAL:H	9	0.33
(1,2032)	1:143:A:ILE:HG23	1:144:A:VAL:H	9	0.33
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG21	5	0.33
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG22	5	0.33
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG23	5	0.33
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG21	8	0.33
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG22	8	0.33
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG23	8	0.33
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG21	8	0.33
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG22	8	0.33
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG23	8	0.33
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG21	8	0.33
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG22	8	0.33
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG23	8	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1836)	1:132:A:SER:HA	1:145:A:TYR:HD1	4	0.33
(1,1836)	1:132:A:SER:HA	1:145:A:TYR:HD2	4	0.33
(1,1706)	1:115:A:LYS:HG2	1:115:A:LYS:H	3	0.33
(1,1706)	1:115:A:LYS:HG3	1:115:A:LYS:H	3	0.33
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD21	4	0.33
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD22	4	0.33
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD23	4	0.33
(1,1557)	1:103:A:SER:HA	1:104:A:LEU:HB2	8	0.33
(1,1556)	1:103:A:SER:HA	1:104:A:LEU:HB3	1	0.33
(1,1556)	1:103:A:SER:HA	1:104:A:LEU:HB3	3	0.33
(1,1338)	1:85:A:TYR:HD1	1:86:A:GLU:H	4	0.33
(1,1338)	1:85:A:TYR:HD2	1:86:A:GLU:H	4	0.33
(1,1216)	1:81:A:ILE:HD11	1:100:A:ALA:H	7	0.33
(1,1216)	1:81:A:ILE:HD12	1:100:A:ALA:H	7	0.33
(1,1216)	1:81:A:ILE:HD13	1:100:A:ALA:H	7	0.33
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB1	8	0.33
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB2	8	0.33
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB3	8	0.33
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB1	8	0.33
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB2	8	0.33
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB3	8	0.33
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB1	8	0.33
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB2	8	0.33
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB3	8	0.33
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG11	6	0.33
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG12	6	0.33
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG13	6	0.33
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	7	0.33
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	7	0.33
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	7	0.33
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE1	7	0.33
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE2	7	0.33
(1,270)	1:34:A:PRO:HD3	1:168:A:PHE:HE1	3	0.33
(1,270)	1:34:A:PRO:HD3	1:168:A:PHE:HE2	3	0.33
(1,238)	1:32:A:ILE:HG21	1:42:A:ASP:HB2	9	0.33
(1,238)	1:32:A:ILE:HG21	1:42:A:ASP:HB3	9	0.33
(1,238)	1:32:A:ILE:HG22	1:42:A:ASP:HB2	9	0.33
(1,238)	1:32:A:ILE:HG22	1:42:A:ASP:HB3	9	0.33
(1,238)	1:32:A:ILE:HG23	1:42:A:ASP:HB2	9	0.33
(1,238)	1:32:A:ILE:HG23	1:42:A:ASP:HB3	9	0.33
(1,3)	1:16:A:ALA:HB1	1:16:A:ALA:H	3	0.33
(1,3)	1:16:A:ALA:HB2	1:16:A:ALA:H	3	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:16:A:ALA:HB3	1:16:A:ALA:H	3	0.33
(1,3)	1:16:A:ALA:HB1	1:16:A:ALA:H	9	0.33
(1,3)	1:16:A:ALA:HB2	1:16:A:ALA:H	9	0.33
(1,3)	1:16:A:ALA:HB3	1:16:A:ALA:H	9	0.33
(3,4)	1:57:A:ASP:HA	1:114:A:ASP:HA	6	0.32
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD11	7	0.32
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD12	7	0.32
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD13	7	0.32
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE1	5	0.32
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE2	5	0.32
(2,614)	1:118:A:ILE:HG21	1:151:A:VAL:HA	3	0.32
(2,614)	1:118:A:ILE:HG22	1:151:A:VAL:HA	3	0.32
(2,614)	1:118:A:ILE:HG23	1:151:A:VAL:HA	3	0.32
(2,601)	1:115:A:LYS:HE2	1:116:A:GLU:H	7	0.32
(2,601)	1:115:A:LYS:HE3	1:116:A:GLU:H	7	0.32
(2,523)	1:85:A:TYR:HD1	1:134:A:TRP:H	6	0.32
(2,523)	1:85:A:TYR:HD2	1:134:A:TRP:H	6	0.32
(2,397)	1:73:A:TYR:HD1	1:74:A:PHE:HA	2	0.32
(2,397)	1:73:A:TYR:HD2	1:74:A:PHE:HA	2	0.32
(1,2448)	1:179:A:VAL:HG11	1:179:A:VAL:H	2	0.32
(1,2448)	1:179:A:VAL:HG12	1:179:A:VAL:H	2	0.32
(1,2448)	1:179:A:VAL:HG13	1:179:A:VAL:H	2	0.32
(1,2446)	1:179:A:VAL:HB	1:179:A:VAL:H	10	0.32
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG21	1	0.32
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG22	1	0.32
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG23	1	0.32
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG21	1	0.32
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG22	1	0.32
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG23	1	0.32
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG21	1	0.32
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG22	1	0.32
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG23	1	0.32
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG21	3	0.32
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG22	3	0.32
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG23	3	0.32
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG21	3	0.32
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG22	3	0.32
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG23	3	0.32
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG21	3	0.32
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG22	3	0.32
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG23	3	0.32
(1,2327)	1:171:A:LEU:HG	1:171:A:LEU:H	1	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD21	6	0.32
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD22	6	0.32
(1,2320)	1:171:A:LEU:HD11	1:171:A:LEU:HD23	6	0.32
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD21	6	0.32
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD22	6	0.32
(1,2320)	1:171:A:LEU:HD12	1:171:A:LEU:HD23	6	0.32
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD21	6	0.32
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD22	6	0.32
(1,2320)	1:171:A:LEU:HD13	1:171:A:LEU:HD23	6	0.32
(1,2286)	1:168:A:PHE:HD1	1:168:A:PHE:H	7	0.32
(1,2286)	1:168:A:PHE:HD2	1:168:A:PHE:H	7	0.32
(1,2246)	1:162:A:ALA:HB1	1:168:A:PHE:HZ	1	0.32
(1,2246)	1:162:A:ALA:HB2	1:168:A:PHE:HZ	1	0.32
(1,2246)	1:162:A:ALA:HB3	1:168:A:PHE:HZ	1	0.32
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE1	8	0.32
(1,2245)	1:162:A:ALA:HB1	1:168:A:PHE:HE2	8	0.32
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE1	8	0.32
(1,2245)	1:162:A:ALA:HB2	1:168:A:PHE:HE2	8	0.32
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE1	8	0.32
(1,2245)	1:162:A:ALA:HB3	1:168:A:PHE:HE2	8	0.32
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD21	4	0.32
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD22	4	0.32
(1,2110)	1:154:A:LEU:HA	1:154:A:LEU:HD23	4	0.32
(1,2038)	1:144:A:VAL:HG21	1:144:A:VAL:H	6	0.32
(1,2038)	1:144:A:VAL:HG22	1:144:A:VAL:H	6	0.32
(1,2038)	1:144:A:VAL:HG23	1:144:A:VAL:H	6	0.32
(1,1970)	1:138:A:GLU:HB2	1:138:A:GLU:H	7	0.32
(1,1970)	1:138:A:GLU:HB3	1:138:A:GLU:H	7	0.32
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG21	4	0.32
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG22	4	0.32
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG23	4	0.32
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG21	4	0.32
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG22	4	0.32
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG23	4	0.32
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG21	4	0.32
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG22	4	0.32
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG23	4	0.32
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG21	5	0.32
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG22	5	0.32
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG23	5	0.32
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG21	5	0.32
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG22	5	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG23	5	0.32
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG21	5	0.32
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG22	5	0.32
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG23	5	0.32
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG21	10	0.32
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG22	10	0.32
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG23	10	0.32
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG21	10	0.32
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG22	10	0.32
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG23	10	0.32
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG21	10	0.32
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG22	10	0.32
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG23	10	0.32
(1,1557)	1:103:A:SER:HA	1:104:A:LEU:HB2	7	0.32
(1,1485)	1:95:A:PHE:HE1	1:117:A:ASP:HA	2	0.32
(1,1485)	1:95:A:PHE:HE2	1:117:A:ASP:HA	2	0.32
(1,1400)	1:87:A:THR:HG21	1:88:A:ASN:HA	2	0.32
(1,1400)	1:87:A:THR:HG22	1:88:A:ASN:HA	2	0.32
(1,1400)	1:87:A:THR:HG23	1:88:A:ASN:HA	2	0.32
(1,1399)	1:87:A:THR:HG21	1:87:A:THR:H	6	0.32
(1,1399)	1:87:A:THR:HG22	1:87:A:THR:H	6	0.32
(1,1399)	1:87:A:THR:HG23	1:87:A:THR:H	6	0.32
(1,1236)	1:81:A:ILE:HG21	1:154:A:LEU:HB3	6	0.32
(1,1236)	1:81:A:ILE:HG22	1:154:A:LEU:HB3	6	0.32
(1,1236)	1:81:A:ILE:HG23	1:154:A:LEU:HB3	6	0.32
(1,1233)	1:81:A:ILE:HG21	1:100:A:ALA:HB1	9	0.32
(1,1233)	1:81:A:ILE:HG21	1:100:A:ALA:HB2	9	0.32
(1,1233)	1:81:A:ILE:HG21	1:100:A:ALA:HB3	9	0.32
(1,1233)	1:81:A:ILE:HG22	1:100:A:ALA:HB1	9	0.32
(1,1233)	1:81:A:ILE:HG22	1:100:A:ALA:HB2	9	0.32
(1,1233)	1:81:A:ILE:HG22	1:100:A:ALA:HB3	9	0.32
(1,1233)	1:81:A:ILE:HG23	1:100:A:ALA:HB1	9	0.32
(1,1233)	1:81:A:ILE:HG23	1:100:A:ALA:HB2	9	0.32
(1,1233)	1:81:A:ILE:HG23	1:100:A:ALA:HB3	9	0.32
(1,1180)	1:80:A:GLN:HA	1:101:A:VAL:H	9	0.32
(1,915)	1:69:A:GLN:HG3	1:70:A:LEU:H	10	0.32
(1,909)	1:69:A:GLN:HB2	1:70:A:LEU:H	9	0.32
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD21	10	0.32
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD22	10	0.32
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD23	10	0.32
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD1	5	0.32
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD2	5	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD1	5	0.32
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD2	5	0.32
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD1	5	0.32
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD2	5	0.32
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD1	4	0.32
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD2	4	0.32
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD1	4	0.32
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD2	4	0.32
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD1	4	0.32
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD2	4	0.32
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG21	8	0.32
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG22	8	0.32
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG23	8	0.32
(1,495)	1:48:A:ILE:HG21	1:50:A:TRP:HE1	1	0.32
(1,495)	1:48:A:ILE:HG22	1:50:A:TRP:HE1	1	0.32
(1,495)	1:48:A:ILE:HG23	1:50:A:TRP:HE1	1	0.32
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	10	0.32
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	10	0.32
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	10	0.32
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE1	4	0.32
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE2	4	0.32
(1,286)	1:36:A:ALA:HA	1:37:A:GLY:H	3	0.32
(1,286)	1:36:A:ALA:HA	1:37:A:GLY:H	4	0.32
(1,286)	1:36:A:ALA:HA	1:37:A:GLY:H	8	0.32
(1,286)	1:36:A:ALA:HA	1:37:A:GLY:H	9	0.32
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD11	2	0.32
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD12	2	0.32
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD13	2	0.32
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD11	2	0.32
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD12	2	0.32
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD13	2	0.32
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD11	2	0.32
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD12	2	0.32
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD13	2	0.32
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD11	6	0.32
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD12	6	0.32
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD13	6	0.32
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD11	6	0.32
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD12	6	0.32
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD13	6	0.32
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD11	6	0.32
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD12	6	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD13	6	0.32
(1,123)	1:27:A:SER:HB2	1:27:A:SER:H	7	0.32
(1,123)	1:27:A:SER:HB3	1:27:A:SER:H	7	0.32
(1,123)	1:27:A:SER:HB2	1:27:A:SER:H	8	0.32
(1,123)	1:27:A:SER:HB3	1:27:A:SER:H	8	0.32
(1,3)	1:16:A:ALA:HB1	1:16:A:ALA:H	1	0.32
(1,3)	1:16:A:ALA:HB2	1:16:A:ALA:H	1	0.32
(1,3)	1:16:A:ALA:HB3	1:16:A:ALA:H	1	0.32
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD11	1	0.31
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD12	1	0.31
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD13	1	0.31
(2,753)	1:167:A:LEU:HD11	1:167:A:LEU:H	1	0.31
(2,753)	1:167:A:LEU:HD12	1:167:A:LEU:H	1	0.31
(2,753)	1:167:A:LEU:HD13	1:167:A:LEU:H	1	0.31
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG2	3	0.31
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG3	3	0.31
(2,490)	1:81:A:ILE:HD11	1:101:A:VAL:H	5	0.31
(2,490)	1:81:A:ILE:HD12	1:101:A:VAL:H	5	0.31
(2,490)	1:81:A:ILE:HD13	1:101:A:VAL:H	5	0.31
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE1	6	0.31
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE2	6	0.31
(2,355)	1:64:A:LEU:H	1:175:A:PHE:HE1	9	0.31
(2,355)	1:64:A:LEU:H	1:175:A:PHE:HE2	9	0.31
(2,295)	1:52:A:LYS:HE2	1:54:A:GLN:HE22	3	0.31
(2,295)	1:52:A:LYS:HE3	1:54:A:GLN:HE22	3	0.31
(1,2446)	1:179:A:VAL:HB	1:179:A:VAL:H	2	0.31
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG21	6	0.31
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG22	6	0.31
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG23	6	0.31
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG21	6	0.31
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG22	6	0.31
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG23	6	0.31
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG21	6	0.31
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG22	6	0.31
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG23	6	0.31
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG21	10	0.31
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG22	10	0.31
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG23	10	0.31
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG21	10	0.31
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG22	10	0.31
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG23	10	0.31
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG21	10	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG22	10	0.31
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG23	10	0.31
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG21	8	0.31
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG22	8	0.31
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG23	8	0.31
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG21	1	0.31
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG22	1	0.31
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG23	1	0.31
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG21	1	0.31
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG22	1	0.31
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG23	1	0.31
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG21	1	0.31
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG22	1	0.31
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG23	1	0.31
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG21	2	0.31
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG22	2	0.31
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG23	2	0.31
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG21	2	0.31
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG22	2	0.31
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG23	2	0.31
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG21	2	0.31
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG22	2	0.31
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG23	2	0.31
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG21	7	0.31
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG22	7	0.31
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG23	7	0.31
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG21	7	0.31
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG22	7	0.31
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG23	7	0.31
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG21	7	0.31
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG22	7	0.31
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG23	7	0.31
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG21	9	0.31
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG22	9	0.31
(1,1938)	1:135:A:VAL:HG11	1:135:A:VAL:HG23	9	0.31
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG21	9	0.31
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG22	9	0.31
(1,1938)	1:135:A:VAL:HG12	1:135:A:VAL:HG23	9	0.31
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG21	9	0.31
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG22	9	0.31
(1,1938)	1:135:A:VAL:HG13	1:135:A:VAL:HG23	9	0.31
(1,1845)	1:132:A:SER:HB2	1:145:A:TYR:HD1	3	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:132:A:SER:HB2	1:145:A:TYR:HD2	3	0.31
(1,1841)	1:132:A:SER:HB3	1:145:A:TYR:HD1	2	0.31
(1,1841)	1:132:A:SER:HB3	1:145:A:TYR:HD2	2	0.31
(1,1777)	1:121:A:LEU:HD21	1:121:A:LEU:H	10	0.31
(1,1777)	1:121:A:LEU:HD22	1:121:A:LEU:H	10	0.31
(1,1777)	1:121:A:LEU:HD23	1:121:A:LEU:H	10	0.31
(1,1770)	1:120:A:VAL:HG21	1:121:A:LEU:H	4	0.31
(1,1770)	1:120:A:VAL:HG22	1:121:A:LEU:H	4	0.31
(1,1770)	1:120:A:VAL:HG23	1:121:A:LEU:H	4	0.31
(1,1767)	1:120:A:VAL:HG11	1:121:A:LEU:H	6	0.31
(1,1767)	1:120:A:VAL:HG12	1:121:A:LEU:H	6	0.31
(1,1767)	1:120:A:VAL:HG13	1:121:A:LEU:H	6	0.31
(1,1557)	1:103:A:SER:HA	1:104:A:LEU:HB2	4	0.31
(1,1556)	1:103:A:SER:HA	1:104:A:LEU:HB3	6	0.31
(1,1483)	1:95:A:PHE:HE1	1:116:A:GLU:HB3	5	0.31
(1,1483)	1:95:A:PHE:HE2	1:116:A:GLU:HB3	5	0.31
(1,1236)	1:81:A:ILE:HG21	1:154:A:LEU:HB3	5	0.31
(1,1236)	1:81:A:ILE:HG22	1:154:A:LEU:HB3	5	0.31
(1,1236)	1:81:A:ILE:HG23	1:154:A:LEU:HB3	5	0.31
(1,1236)	1:81:A:ILE:HG21	1:154:A:LEU:HB3	8	0.31
(1,1236)	1:81:A:ILE:HG22	1:154:A:LEU:HB3	8	0.31
(1,1236)	1:81:A:ILE:HG23	1:154:A:LEU:HB3	8	0.31
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG21	1	0.31
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG22	1	0.31
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG23	1	0.31
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG21	1	0.31
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG22	1	0.31
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG23	1	0.31
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG21	8	0.31
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG22	8	0.31
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG23	8	0.31
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG21	8	0.31
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG22	8	0.31
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG23	8	0.31
(1,1032)	1:74:A:PHE:HE1	1:168:A:PHE:HZ	8	0.31
(1,1032)	1:74:A:PHE:HE2	1:168:A:PHE:HZ	8	0.31
(1,1013)	1:74:A:PHE:HB2	1:163:A:LYS:H	10	0.31
(1,843)	1:66:A:ASN:HD21	1:70:A:LEU:HD11	9	0.31
(1,843)	1:66:A:ASN:HD21	1:70:A:LEU:HD12	9	0.31
(1,843)	1:66:A:ASN:HD21	1:70:A:LEU:HD13	9	0.31
(1,681)	1:60:A:LEU:HD21	1:177:A:PHE:HD1	2	0.31
(1,681)	1:60:A:LEU:HD21	1:177:A:PHE:HD2	2	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,681)	1:60:A:LEU:HD22	1:177:A:PHE:HD1	2	0.31
(1,681)	1:60:A:LEU:HD22	1:177:A:PHE:HD2	2	0.31
(1,681)	1:60:A:LEU:HD23	1:177:A:PHE:HD1	2	0.31
(1,681)	1:60:A:LEU:HD23	1:177:A:PHE:HD2	2	0.31
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG11	7	0.31
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG12	7	0.31
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG13	7	0.31
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG21	7	0.31
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG22	7	0.31
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG23	7	0.31
(1,495)	1:48:A:ILE:HG21	1:50:A:TRP:HE1	4	0.31
(1,495)	1:48:A:ILE:HG22	1:50:A:TRP:HE1	4	0.31
(1,495)	1:48:A:ILE:HG23	1:50:A:TRP:HE1	4	0.31
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	4	0.31
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	4	0.31
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	4	0.31
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	9	0.31
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	9	0.31
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	9	0.31
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE1	2	0.31
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE2	2	0.31
(1,445)	1:46:A:TYR:HE1	1:141:A:LYS:HE3	6	0.31
(1,445)	1:46:A:TYR:HE2	1:141:A:LYS:HE3	6	0.31
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE1	2	0.31
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE2	2	0.31
(1,389)	1:44:A:ILE:HG21	1:44:A:ILE:H	1	0.31
(1,389)	1:44:A:ILE:HG22	1:44:A:ILE:H	1	0.31
(1,389)	1:44:A:ILE:HG23	1:44:A:ILE:H	1	0.31
(1,389)	1:44:A:ILE:HG21	1:44:A:ILE:H	8	0.31
(1,389)	1:44:A:ILE:HG22	1:44:A:ILE:H	8	0.31
(1,389)	1:44:A:ILE:HG23	1:44:A:ILE:H	8	0.31
(1,270)	1:34:A:PRO:HD3	1:168:A:PHE:HE1	10	0.31
(1,270)	1:34:A:PRO:HD3	1:168:A:PHE:HE2	10	0.31
(1,238)	1:32:A:ILE:HG21	1:42:A:ASP:HB2	6	0.31
(1,238)	1:32:A:ILE:HG21	1:42:A:ASP:HB3	6	0.31
(1,238)	1:32:A:ILE:HG22	1:42:A:ASP:HB2	6	0.31
(1,238)	1:32:A:ILE:HG22	1:42:A:ASP:HB3	6	0.31
(1,238)	1:32:A:ILE:HG23	1:42:A:ASP:HB2	6	0.31
(1,238)	1:32:A:ILE:HG23	1:42:A:ASP:HB3	6	0.31
(1,123)	1:27:A:SER:HB2	1:27:A:SER:H	4	0.31
(1,123)	1:27:A:SER:HB3	1:27:A:SER:H	4	0.31
(1,123)	1:27:A:SER:HB2	1:27:A:SER:H	9	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:27:A:SER:HB3	1:27:A:SER:H	9	0.31
(1,3)	1:16:A:ALA:HB1	1:16:A:ALA:H	7	0.31
(1,3)	1:16:A:ALA:HB2	1:16:A:ALA:H	7	0.31
(1,3)	1:16:A:ALA:HB3	1:16:A:ALA:H	7	0.31
(2,724)	1:145:A:TYR:HD1	1:147:A:GLU:HG2	5	0.3
(2,724)	1:145:A:TYR:HD1	1:147:A:GLU:HG3	5	0.3
(2,724)	1:145:A:TYR:HD2	1:147:A:GLU:HG2	5	0.3
(2,724)	1:145:A:TYR:HD2	1:147:A:GLU:HG3	5	0.3
(2,702)	1:132:A:SER:HB2	1:145:A:TYR:HE1	3	0.3
(2,702)	1:132:A:SER:HB2	1:145:A:TYR:HE2	3	0.3
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG21	4	0.3
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG22	4	0.3
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG23	4	0.3
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG21	4	0.3
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG22	4	0.3
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG23	4	0.3
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG21	4	0.3
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG22	4	0.3
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG23	4	0.3
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG21	5	0.3
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG22	5	0.3
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG23	5	0.3
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG21	5	0.3
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG22	5	0.3
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG23	5	0.3
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG21	5	0.3
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG22	5	0.3
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG23	5	0.3
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG21	8	0.3
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG22	8	0.3
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG23	8	0.3
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG21	8	0.3
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG22	8	0.3
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG23	8	0.3
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG21	8	0.3
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG22	8	0.3
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG23	8	0.3
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG21	9	0.3
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG22	9	0.3
(1,2352)	1:173:A:VAL:HG11	1:173:A:VAL:HG23	9	0.3
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG21	9	0.3
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG22	9	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2352)	1:173:A:VAL:HG12	1:173:A:VAL:HG23	9	0.3
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG21	9	0.3
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG22	9	0.3
(1,2352)	1:173:A:VAL:HG13	1:173:A:VAL:HG23	9	0.3
(1,2286)	1:168:A:PHE:HD1	1:168:A:PHE:H	4	0.3
(1,2286)	1:168:A:PHE:HD2	1:168:A:PHE:H	4	0.3
(1,2286)	1:168:A:PHE:HD1	1:168:A:PHE:H	9	0.3
(1,2286)	1:168:A:PHE:HD2	1:168:A:PHE:H	9	0.3
(1,2246)	1:162:A:ALA:HB1	1:168:A:PHE:HZ	7	0.3
(1,2246)	1:162:A:ALA:HB2	1:168:A:PHE:HZ	7	0.3
(1,2246)	1:162:A:ALA:HB3	1:168:A:PHE:HZ	7	0.3
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD21	5	0.3
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD22	5	0.3
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD21	5	0.3
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD22	5	0.3
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD21	5	0.3
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD22	5	0.3
(1,2038)	1:144:A:VAL:HG21	1:144:A:VAL:H	4	0.3
(1,2038)	1:144:A:VAL:HG22	1:144:A:VAL:H	4	0.3
(1,2038)	1:144:A:VAL:HG23	1:144:A:VAL:H	4	0.3
(1,2038)	1:144:A:VAL:HG21	1:144:A:VAL:H	5	0.3
(1,2038)	1:144:A:VAL:HG22	1:144:A:VAL:H	5	0.3
(1,2038)	1:144:A:VAL:HG23	1:144:A:VAL:H	5	0.3
(1,1941)	1:135:A:VAL:HG21	1:135:A:VAL:H	3	0.3
(1,1941)	1:135:A:VAL:HG22	1:135:A:VAL:H	3	0.3
(1,1941)	1:135:A:VAL:HG23	1:135:A:VAL:H	3	0.3
(1,1845)	1:132:A:SER:HB2	1:145:A:TYR:HD1	7	0.3
(1,1845)	1:132:A:SER:HB2	1:145:A:TYR:HD2	7	0.3
(1,1841)	1:132:A:SER:HB3	1:145:A:TYR:HD1	1	0.3
(1,1841)	1:132:A:SER:HB3	1:145:A:TYR:HD2	1	0.3
(1,1640)	1:111:A:ILE:HG21	1:112:A:VAL:H	1	0.3
(1,1640)	1:111:A:ILE:HG22	1:112:A:VAL:H	1	0.3
(1,1640)	1:111:A:ILE:HG23	1:112:A:VAL:H	1	0.3
(1,1556)	1:103:A:SER:HA	1:104:A:LEU:HB3	5	0.3
(1,1546)	1:102:A:ILE:HG21	1:108:A:SER:HA	5	0.3
(1,1546)	1:102:A:ILE:HG22	1:108:A:SER:HA	5	0.3
(1,1546)	1:102:A:ILE:HG23	1:108:A:SER:HA	5	0.3
(1,1343)	1:85:A:TYR:HE1	1:152:A:ALA:HA	7	0.3
(1,1343)	1:85:A:TYR:HE2	1:152:A:ALA:HA	7	0.3
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG21	4	0.3
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG22	4	0.3
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG23	4	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG21	4	0.3
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG22	4	0.3
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG23	4	0.3
(1,1338)	1:85:A:TYR:HD1	1:86:A:GLU:H	10	0.3
(1,1338)	1:85:A:TYR:HD2	1:86:A:GLU:H	10	0.3
(1,1236)	1:81:A:ILE:HG21	1:154:A:LEU:HB3	7	0.3
(1,1236)	1:81:A:ILE:HG22	1:154:A:LEU:HB3	7	0.3
(1,1236)	1:81:A:ILE:HG23	1:154:A:LEU:HB3	7	0.3
(1,1232)	1:81:A:ILE:HG21	1:99:A:LYS:H	3	0.3
(1,1232)	1:81:A:ILE:HG22	1:99:A:LYS:H	3	0.3
(1,1232)	1:81:A:ILE:HG23	1:99:A:LYS:H	3	0.3
(1,1180)	1:80:A:GLN:HA	1:101:A:VAL:H	4	0.3
(1,1162)	1:79:A:ILE:HG13	1:80:A:GLN:H	5	0.3
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG21	2	0.3
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG22	2	0.3
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG23	2	0.3
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG11	5	0.3
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG12	5	0.3
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG13	5	0.3
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE1	3	0.3
(1,242)	1:32:A:ILE:HG21	1:160:A:TYR:HE2	3	0.3
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE1	3	0.3
(1,242)	1:32:A:ILE:HG22	1:160:A:TYR:HE2	3	0.3
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE1	3	0.3
(1,242)	1:32:A:ILE:HG23	1:160:A:TYR:HE2	3	0.3
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD11	4	0.3
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD12	4	0.3
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD13	4	0.3
(1,123)	1:27:A:SER:HB2	1:27:A:SER:H	10	0.3
(1,123)	1:27:A:SER:HB3	1:27:A:SER:H	10	0.3
(1,3)	1:16:A:ALA:HB1	1:16:A:ALA:H	5	0.3
(1,3)	1:16:A:ALA:HB2	1:16:A:ALA:H	5	0.3
(1,3)	1:16:A:ALA:HB3	1:16:A:ALA:H	5	0.3
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD11	4	0.29
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD12	4	0.29
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD13	4	0.29
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD11	10	0.29
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD12	10	0.29
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD13	10	0.29
(2,753)	1:167:A:LEU:HD11	1:167:A:LEU:H	4	0.29
(2,753)	1:167:A:LEU:HD12	1:167:A:LEU:H	4	0.29
(2,753)	1:167:A:LEU:HD13	1:167:A:LEU:H	4	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,753)	1:167:A:LEU:HD11	1:167:A:LEU:H	10	0.29
(2,753)	1:167:A:LEU:HD12	1:167:A:LEU:H	10	0.29
(2,753)	1:167:A:LEU:HD13	1:167:A:LEU:H	10	0.29
(2,735)	1:158:A:ALA:H	1:160:A:TYR:HE1	10	0.29
(2,735)	1:158:A:ALA:H	1:160:A:TYR:HE2	10	0.29
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD1	3	0.29
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD2	3	0.29
(1,2327)	1:171:A:LEU:HG	1:171:A:LEU:H	6	0.29
(1,2262)	1:164:A:GLU:HA	1:164:A:GLU:HG2	4	0.29
(1,2262)	1:164:A:GLU:HA	1:164:A:GLU:HG3	4	0.29
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD21	1	0.29
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD22	1	0.29
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD21	1	0.29
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD22	1	0.29
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD21	1	0.29
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD22	1	0.29
(1,2028)	1:143:A:ILE:HD11	1:143:A:ILE:H	5	0.29
(1,2028)	1:143:A:ILE:HD12	1:143:A:ILE:H	5	0.29
(1,2028)	1:143:A:ILE:HD13	1:143:A:ILE:H	5	0.29
(1,1546)	1:102:A:ILE:HG21	1:108:A:SER:HA	6	0.29
(1,1546)	1:102:A:ILE:HG22	1:108:A:SER:HA	6	0.29
(1,1546)	1:102:A:ILE:HG23	1:108:A:SER:HA	6	0.29
(1,1485)	1:95:A:PHE:HE1	1:117:A:ASP:HA	9	0.29
(1,1485)	1:95:A:PHE:HE2	1:117:A:ASP:HA	9	0.29
(1,1485)	1:95:A:PHE:HE1	1:117:A:ASP:HA	10	0.29
(1,1485)	1:95:A:PHE:HE2	1:117:A:ASP:HA	10	0.29
(1,1483)	1:95:A:PHE:HE1	1:116:A:GLU:HB3	1	0.29
(1,1483)	1:95:A:PHE:HE2	1:116:A:GLU:HB3	1	0.29
(1,1483)	1:95:A:PHE:HE1	1:116:A:GLU:HB3	4	0.29
(1,1483)	1:95:A:PHE:HE2	1:116:A:GLU:HB3	4	0.29
(1,1399)	1:87:A:THR:HG21	1:87:A:THR:H	5	0.29
(1,1399)	1:87:A:THR:HG22	1:87:A:THR:H	5	0.29
(1,1399)	1:87:A:THR:HG23	1:87:A:THR:H	5	0.29
(1,1343)	1:85:A:TYR:HE1	1:152:A:ALA:HA	8	0.29
(1,1343)	1:85:A:TYR:HE2	1:152:A:ALA:HA	8	0.29
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG21	2	0.29
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG22	2	0.29
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG23	2	0.29
(1,1180)	1:80:A:GLN:HA	1:101:A:VAL:H	1	0.29
(1,1162)	1:79:A:ILE:HG13	1:80:A:GLN:H	6	0.29
(1,1071)	1:76:A:TYR:HE1	1:160:A:TYR:HA	7	0.29
(1,1071)	1:76:A:TYR:HE2	1:160:A:TYR:HA	7	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1020)	1:74:A:PHE:HD1	1:162:A:ALA:HA	8	0.29
(1,1020)	1:74:A:PHE:HD2	1:162:A:ALA:HA	8	0.29
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD21	5	0.29
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD22	5	0.29
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD23	5	0.29
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD21	7	0.29
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD22	7	0.29
(1,852)	1:66:A:ASN:HD22	1:70:A:LEU:HD23	7	0.29
(1,495)	1:48:A:ILE:HG21	1:50:A:TRP:HE1	9	0.29
(1,495)	1:48:A:ILE:HG22	1:50:A:TRP:HE1	9	0.29
(1,495)	1:48:A:ILE:HG23	1:50:A:TRP:HE1	9	0.29
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	1	0.29
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	1	0.29
(1,487)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	1	0.29
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE1	5	0.29
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE2	5	0.29
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE1	7	0.29
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE2	7	0.29
(1,456)	1:47:A:ALA:HB1	1:156:A:PHE:HZ	1	0.29
(1,456)	1:47:A:ALA:HB2	1:156:A:PHE:HZ	1	0.29
(1,456)	1:47:A:ALA:HB3	1:156:A:PHE:HZ	1	0.29
(1,455)	1:47:A:ALA:HB1	1:48:A:ILE:H	1	0.29
(1,455)	1:47:A:ALA:HB2	1:48:A:ILE:H	1	0.29
(1,455)	1:47:A:ALA:HB3	1:48:A:ILE:H	1	0.29
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB1	3	0.29
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB2	3	0.29
(1,353)	1:42:A:ASP:HB2	1:158:A:ALA:HB3	3	0.29
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB1	3	0.29
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB2	3	0.29
(1,353)	1:42:A:ASP:HB3	1:158:A:ALA:HB3	3	0.29
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG21	2	0.29
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG22	2	0.29
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG23	2	0.29
(1,166)	1:29:A:LEU:HD11	1:175:A:PHE:H	10	0.29
(1,166)	1:29:A:LEU:HD12	1:175:A:PHE:H	10	0.29
(1,166)	1:29:A:LEU:HD13	1:175:A:PHE:H	10	0.29
(1,11)	1:20:A:SER:HB2	1:21:A:GLU:H	1	0.29
(1,11)	1:20:A:SER:HB3	1:21:A:GLU:H	1	0.29
(1,3)	1:16:A:ALA:HB1	1:16:A:ALA:H	8	0.29
(1,3)	1:16:A:ALA:HB2	1:16:A:ALA:H	8	0.29
(1,3)	1:16:A:ALA:HB3	1:16:A:ALA:H	8	0.29
(2,714)	1:141:A:LYS:HD2	1:142:A:ILE:H	1	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,714)	1:141:A:LYS:HD3	1:142:A:ILE:H	1	0.28
(2,628)	1:122:A:TYR:HB3	1:123:A:PRO:HD2	6	0.28
(2,625)	1:121:A:LEU:H	1:122:A:TYR:HD1	7	0.28
(2,625)	1:121:A:LEU:H	1:122:A:TYR:HD2	7	0.28
(2,567)	1:90:A:THR:HG21	1:92:A:LEU:H	9	0.28
(2,567)	1:90:A:THR:HG22	1:92:A:LEU:H	9	0.28
(2,567)	1:90:A:THR:HG23	1:92:A:LEU:H	9	0.28
(2,547)	1:87:A:THR:HG21	1:91:A:ALA:H	2	0.28
(2,547)	1:87:A:THR:HG22	1:91:A:ALA:H	2	0.28
(2,547)	1:87:A:THR:HG23	1:91:A:ALA:H	2	0.28
(2,522)	1:85:A:TYR:HD1	1:134:A:TRP:HA	3	0.28
(2,522)	1:85:A:TYR:HD2	1:134:A:TRP:HA	3	0.28
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD1	4	0.28
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD2	4	0.28
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD1	4	0.28
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD2	4	0.28
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG21	2	0.28
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG22	2	0.28
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG23	2	0.28
(1,2371)	1:174:A:ILE:HG21	1:175:A:PHE:H	5	0.28
(1,2371)	1:174:A:ILE:HG22	1:175:A:PHE:H	5	0.28
(1,2371)	1:174:A:ILE:HG23	1:175:A:PHE:H	5	0.28
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD11	1	0.28
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD12	1	0.28
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD13	1	0.28
(1,2246)	1:162:A:ALA:HB1	1:168:A:PHE:HZ	4	0.28
(1,2246)	1:162:A:ALA:HB2	1:168:A:PHE:HZ	4	0.28
(1,2246)	1:162:A:ALA:HB3	1:168:A:PHE:HZ	4	0.28
(1,2177)	1:157:A:LYS:H	1:158:A:ALA:HA	6	0.28
(1,2177)	1:157:A:LYS:H	1:158:A:ALA:HA	9	0.28
(1,2053)	1:145:A:TYR:HD1	1:145:A:TYR:H	6	0.28
(1,2053)	1:145:A:TYR:HD2	1:145:A:TYR:H	6	0.28
(1,2015)	1:142:A:ILE:HG21	1:144:A:VAL:H	2	0.28
(1,2015)	1:142:A:ILE:HG22	1:144:A:VAL:H	2	0.28
(1,2015)	1:142:A:ILE:HG23	1:144:A:VAL:H	2	0.28
(1,2013)	1:142:A:ILE:HG21	1:143:A:ILE:H	3	0.28
(1,2013)	1:142:A:ILE:HG22	1:143:A:ILE:H	3	0.28
(1,2013)	1:142:A:ILE:HG23	1:143:A:ILE:H	3	0.28
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG21	4	0.28
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG22	4	0.28
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG23	4	0.28
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG21	7	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG22	7	0.28
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG23	7	0.28
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG21	9	0.28
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG22	9	0.28
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG23	9	0.28
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD21	1	0.28
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD22	1	0.28
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD21	4	0.28
(1,1954)	1:136:A:PRO:HG2	1:155:A:ASN:HD22	4	0.28
(1,1859)	1:133:A:ILE:HD11	1:144:A:VAL:HB	8	0.28
(1,1859)	1:133:A:ILE:HD12	1:144:A:VAL:HB	8	0.28
(1,1859)	1:133:A:ILE:HD13	1:144:A:VAL:HB	8	0.28
(1,1767)	1:120:A:VAL:HG11	1:121:A:LEU:H	3	0.28
(1,1767)	1:120:A:VAL:HG12	1:121:A:LEU:H	3	0.28
(1,1767)	1:120:A:VAL:HG13	1:121:A:LEU:H	3	0.28
(1,1706)	1:115:A:LYS:HG2	1:115:A:LYS:H	1	0.28
(1,1706)	1:115:A:LYS:HG3	1:115:A:LYS:H	1	0.28
(1,1706)	1:115:A:LYS:HG2	1:115:A:LYS:H	8	0.28
(1,1706)	1:115:A:LYS:HG3	1:115:A:LYS:H	8	0.28
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD21	10	0.28
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD22	10	0.28
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD23	10	0.28
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG21	9	0.28
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG22	9	0.28
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG23	9	0.28
(1,1180)	1:80:A:GLN:HA	1:101:A:VAL:H	2	0.28
(1,1162)	1:79:A:ILE:HG13	1:80:A:GLN:H	1	0.28
(1,1162)	1:79:A:ILE:HG13	1:80:A:GLN:H	9	0.28
(1,999)	1:74:A:PHE:HA	1:74:A:PHE:HD1	8	0.28
(1,999)	1:74:A:PHE:HA	1:74:A:PHE:HD2	8	0.28
(1,908)	1:69:A:GLN:HB3	1:70:A:LEU:H	10	0.28
(1,873)	1:67:A:ALA:HB1	1:68:A:GLU:H	4	0.28
(1,873)	1:67:A:ALA:HB2	1:68:A:GLU:H	4	0.28
(1,873)	1:67:A:ALA:HB3	1:68:A:GLU:H	4	0.28
(1,844)	1:66:A:ASN:HD21	1:70:A:LEU:HD21	1	0.28
(1,844)	1:66:A:ASN:HD21	1:70:A:LEU:HD22	1	0.28
(1,844)	1:66:A:ASN:HD21	1:70:A:LEU:HD23	1	0.28
(1,755)	1:63:A:THR:HG21	1:108:A:SER:HA	10	0.28
(1,755)	1:63:A:THR:HG22	1:108:A:SER:HA	10	0.28
(1,755)	1:63:A:THR:HG23	1:108:A:SER:HA	10	0.28
(1,727)	1:62:A:VAL:HG11	1:177:A:PHE:HE1	5	0.28
(1,727)	1:62:A:VAL:HG11	1:177:A:PHE:HE2	5	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,727)	1:62:A:VAL:HG12	1:177:A:PHE:HE1	5	0.28
(1,727)	1:62:A:VAL:HG12	1:177:A:PHE:HE2	5	0.28
(1,727)	1:62:A:VAL:HG13	1:177:A:PHE:HE1	5	0.28
(1,727)	1:62:A:VAL:HG13	1:177:A:PHE:HE2	5	0.28
(1,724)	1:62:A:VAL:HG11	1:63:A:THR:H	5	0.28
(1,724)	1:62:A:VAL:HG12	1:63:A:THR:H	5	0.28
(1,724)	1:62:A:VAL:HG13	1:63:A:THR:H	5	0.28
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG11	3	0.28
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG12	3	0.28
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG13	3	0.28
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG11	3	0.28
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG12	3	0.28
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG13	3	0.28
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG11	4	0.28
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG12	4	0.28
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG13	4	0.28
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG11	8	0.28
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG12	8	0.28
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG13	8	0.28
(1,597)	1:53:A:ASP:HB2	1:54:A:GLN:H	5	0.28
(1,597)	1:53:A:ASP:HB3	1:54:A:GLN:H	5	0.28
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG21	5	0.28
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG22	5	0.28
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG23	5	0.28
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG21	3	0.28
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG22	3	0.28
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG23	3	0.28
(1,362)	1:42:A:ASP:H	1:160:A:TYR:HE1	1	0.28
(1,362)	1:42:A:ASP:H	1:160:A:TYR:HE2	1	0.28
(1,286)	1:36:A:ALA:HA	1:37:A:GLY:H	10	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG21	3	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG22	3	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG23	3	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG21	4	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG22	4	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG23	4	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG21	5	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG22	5	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG23	5	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG21	6	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG22	6	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG23	6	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG21	7	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG22	7	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG23	7	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG21	8	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG22	8	0.28
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG23	8	0.28
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD11	3	0.28
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD12	3	0.28
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD13	3	0.28
(1,171)	1:29:A:LEU:HD21	1:175:A:PHE:H	2	0.28
(1,171)	1:29:A:LEU:HD22	1:175:A:PHE:H	2	0.28
(1,171)	1:29:A:LEU:HD23	1:175:A:PHE:H	2	0.28
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD1	5	0.28
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD2	5	0.28
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD1	5	0.28
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD2	5	0.28
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD1	5	0.28
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD2	5	0.28
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD1	8	0.28
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD2	8	0.28
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD1	8	0.28
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD2	8	0.28
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD1	8	0.28
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD2	8	0.28
(2,628)	1:122:A:TYR:HB3	1:123:A:PRO:HD2	3	0.27
(2,628)	1:122:A:TYR:HB3	1:123:A:PRO:HD2	9	0.27
(2,614)	1:118:A:ILE:HG21	1:151:A:VAL:HA	9	0.27
(2,614)	1:118:A:ILE:HG22	1:151:A:VAL:HA	9	0.27
(2,614)	1:118:A:ILE:HG23	1:151:A:VAL:HA	9	0.27
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG2	6	0.27
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG3	6	0.27
(2,523)	1:85:A:TYR:HD1	1:134:A:TRP:H	9	0.27
(2,523)	1:85:A:TYR:HD2	1:134:A:TRP:H	9	0.27
(2,468)	1:79:A:ILE:HG21	1:156:A:PHE:HE1	6	0.27
(2,468)	1:79:A:ILE:HG21	1:156:A:PHE:HE2	6	0.27
(2,468)	1:79:A:ILE:HG22	1:156:A:PHE:HE1	6	0.27
(2,468)	1:79:A:ILE:HG22	1:156:A:PHE:HE2	6	0.27
(2,468)	1:79:A:ILE:HG23	1:156:A:PHE:HE1	6	0.27
(2,468)	1:79:A:ILE:HG23	1:156:A:PHE:HE2	6	0.27
(2,397)	1:73:A:TYR:HD1	1:74:A:PHE:HA	9	0.27
(2,397)	1:73:A:TYR:HD2	1:74:A:PHE:HA	9	0.27
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD1	5	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD2	5	0.27
(2,178)	1:36:A:ALA:H	1:37:A:GLY:H	10	0.27
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE1	7	0.27
(2,125)	1:28:A:HIS:HE1	1:46:A:TYR:HE2	7	0.27
(1,2262)	1:164:A:GLU:HA	1:164:A:GLU:HG2	2	0.27
(1,2262)	1:164:A:GLU:HA	1:164:A:GLU:HG3	2	0.27
(1,2262)	1:164:A:GLU:HA	1:164:A:GLU:HG2	5	0.27
(1,2262)	1:164:A:GLU:HA	1:164:A:GLU:HG3	5	0.27
(1,2246)	1:162:A:ALA:HB1	1:168:A:PHE:HZ	9	0.27
(1,2246)	1:162:A:ALA:HB2	1:168:A:PHE:HZ	9	0.27
(1,2246)	1:162:A:ALA:HB3	1:168:A:PHE:HZ	9	0.27
(1,2177)	1:157:A:LYS:H	1:158:A:ALA:HA	1	0.27
(1,2177)	1:157:A:LYS:H	1:158:A:ALA:HA	4	0.27
(1,2177)	1:157:A:LYS:H	1:158:A:ALA:HA	8	0.27
(1,2066)	1:148:A:THR:HA	1:149:A:LYS:H	9	0.27
(1,2043)	1:145:A:TYR:HA	1:145:A:TYR:HD1	4	0.27
(1,2043)	1:145:A:TYR:HA	1:145:A:TYR:HD2	4	0.27
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD11	1	0.27
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD12	1	0.27
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD13	1	0.27
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD11	1	0.27
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD12	1	0.27
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD13	1	0.27
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD11	1	0.27
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD12	1	0.27
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD13	1	0.27
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD11	2	0.27
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD12	2	0.27
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD13	2	0.27
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG21	8	0.27
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG22	8	0.27
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG23	8	0.27
(1,1941)	1:135:A:VAL:HG21	1:135:A:VAL:H	7	0.27
(1,1941)	1:135:A:VAL:HG22	1:135:A:VAL:H	7	0.27
(1,1941)	1:135:A:VAL:HG23	1:135:A:VAL:H	7	0.27
(1,1859)	1:133:A:ILE:HD11	1:144:A:VAL:HB	2	0.27
(1,1859)	1:133:A:ILE:HD12	1:144:A:VAL:HB	2	0.27
(1,1859)	1:133:A:ILE:HD13	1:144:A:VAL:HB	2	0.27
(1,1767)	1:120:A:VAL:HG11	1:121:A:LEU:H	1	0.27
(1,1767)	1:120:A:VAL:HG12	1:121:A:LEU:H	1	0.27
(1,1767)	1:120:A:VAL:HG13	1:121:A:LEU:H	1	0.27
(1,1767)	1:120:A:VAL:HG11	1:121:A:LEU:H	2	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1767)	1:120:A:VAL:HG12	1:121:A:LEU:H	2	0.27
(1,1767)	1:120:A:VAL:HG13	1:121:A:LEU:H	2	0.27
(1,1767)	1:120:A:VAL:HG11	1:121:A:LEU:H	9	0.27
(1,1767)	1:120:A:VAL:HG12	1:121:A:LEU:H	9	0.27
(1,1767)	1:120:A:VAL:HG13	1:121:A:LEU:H	9	0.27
(1,1546)	1:102:A:ILE:HG21	1:108:A:SER:HA	2	0.27
(1,1546)	1:102:A:ILE:HG22	1:108:A:SER:HA	2	0.27
(1,1546)	1:102:A:ILE:HG23	1:108:A:SER:HA	2	0.27
(1,1474)	1:95:A:PHE:HB2	1:95:A:PHE:H	6	0.27
(1,1474)	1:95:A:PHE:HB3	1:95:A:PHE:H	6	0.27
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG21	3	0.27
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG22	3	0.27
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG23	3	0.27
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG21	7	0.27
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG22	7	0.27
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG23	7	0.27
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG21	7	0.27
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG22	7	0.27
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG23	7	0.27
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD21	1	0.27
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD22	1	0.27
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD23	1	0.27
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD21	10	0.27
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD22	10	0.27
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD23	10	0.27
(1,1216)	1:81:A:ILE:HD11	1:100:A:ALA:H	3	0.27
(1,1216)	1:81:A:ILE:HD12	1:100:A:ALA:H	3	0.27
(1,1216)	1:81:A:ILE:HD13	1:100:A:ALA:H	3	0.27
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG21	10	0.27
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG22	10	0.27
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG23	10	0.27
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG21	10	0.27
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG22	10	0.27
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG23	10	0.27
(1,1173)	1:79:A:ILE:H	1:158:A:ALA:HA	3	0.27
(1,1173)	1:79:A:ILE:H	1:158:A:ALA:HA	8	0.27
(1,1173)	1:79:A:ILE:H	1:158:A:ALA:HA	10	0.27
(1,1162)	1:79:A:ILE:HG13	1:80:A:GLN:H	2	0.27
(1,1013)	1:74:A:PHE:HB2	1:163:A:LYS:H	8	0.27
(1,873)	1:67:A:ALA:HB1	1:68:A:GLU:H	7	0.27
(1,873)	1:67:A:ALA:HB2	1:68:A:GLU:H	7	0.27
(1,873)	1:67:A:ALA:HB3	1:68:A:GLU:H	7	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD21	4	0.27
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD22	4	0.27
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD23	4	0.27
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD21	4	0.27
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD22	4	0.27
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD23	4	0.27
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD21	4	0.27
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD22	4	0.27
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD23	4	0.27
(1,755)	1:63:A:THR:HG21	1:108:A:SER:HA	9	0.27
(1,755)	1:63:A:THR:HG22	1:108:A:SER:HA	9	0.27
(1,755)	1:63:A:THR:HG23	1:108:A:SER:HA	9	0.27
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD1	7	0.27
(1,679)	1:60:A:LEU:HD11	1:177:A:PHE:HD2	7	0.27
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD1	7	0.27
(1,679)	1:60:A:LEU:HD12	1:177:A:PHE:HD2	7	0.27
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD1	7	0.27
(1,679)	1:60:A:LEU:HD13	1:177:A:PHE:HD2	7	0.27
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG11	9	0.27
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG12	9	0.27
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG13	9	0.27
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG21	3	0.27
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG22	3	0.27
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG23	3	0.27
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG21	9	0.27
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG22	9	0.27
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG23	9	0.27
(1,268)	1:34:A:PRO:HD3	1:35:A:ALA:H	2	0.27
(1,268)	1:34:A:PRO:HD3	1:35:A:ALA:H	4	0.27
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG21	1	0.27
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG22	1	0.27
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG23	1	0.27
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG21	9	0.27
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG22	9	0.27
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG23	9	0.27
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG21	10	0.27
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG22	10	0.27
(1,257)	1:33:A:THR:HB	1:33:A:THR:HG23	10	0.27
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD1	10	0.27
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD2	10	0.27
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD1	10	0.27
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD2	10	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD1	10	0.27
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD2	10	0.27
(2,735)	1:158:A:ALA:H	1:160:A:TYR:HE1	1	0.26
(2,735)	1:158:A:ALA:H	1:160:A:TYR:HE2	1	0.26
(2,735)	1:158:A:ALA:H	1:160:A:TYR:HE1	5	0.26
(2,735)	1:158:A:ALA:H	1:160:A:TYR:HE2	5	0.26
(2,731)	1:155:A:ASN:H	1:156:A:PHE:HD1	3	0.26
(2,731)	1:155:A:ASN:H	1:156:A:PHE:HD2	3	0.26
(2,709)	1:133:A:ILE:HD11	1:147:A:GLU:H	6	0.26
(2,709)	1:133:A:ILE:HD12	1:147:A:GLU:H	6	0.26
(2,709)	1:133:A:ILE:HD13	1:147:A:GLU:H	6	0.26
(2,635)	1:122:A:TYR:HD1	1:126:A:THR:H	2	0.26
(2,635)	1:122:A:TYR:HD2	1:126:A:THR:H	2	0.26
(2,632)	1:122:A:TYR:HD1	1:125:A:LYS:H	1	0.26
(2,632)	1:122:A:TYR:HD2	1:125:A:LYS:H	1	0.26
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG2	1	0.26
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG3	1	0.26
(2,522)	1:85:A:TYR:HD1	1:134:A:TRP:HA	10	0.26
(2,522)	1:85:A:TYR:HD2	1:134:A:TRP:HA	10	0.26
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG21	5	0.26
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG22	5	0.26
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG23	5	0.26
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG21	9	0.26
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG22	9	0.26
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG23	9	0.26
(2,194)	1:38:A:ALA:HB1	1:39:A:GLN:HE21	1	0.26
(2,194)	1:38:A:ALA:HB2	1:39:A:GLN:HE21	1	0.26
(2,194)	1:38:A:ALA:HB3	1:39:A:GLN:HE21	1	0.26
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE1	2	0.26
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE2	2	0.26
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE1	2	0.26
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE2	2	0.26
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE1	2	0.26
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE2	2	0.26
(1,2177)	1:157:A:LYS:H	1:158:A:ALA:HA	2	0.26
(1,2177)	1:157:A:LYS:H	1:158:A:ALA:HA	5	0.26
(1,2066)	1:148:A:THR:HA	1:149:A:LYS:H	6	0.26
(1,2066)	1:148:A:THR:HA	1:149:A:LYS:H	7	0.26
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD11	1	0.26
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD12	1	0.26
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD13	1	0.26
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG21	2	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG22	2	0.26
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG23	2	0.26
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG21	3	0.26
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG22	3	0.26
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG23	3	0.26
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG21	10	0.26
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG22	10	0.26
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG23	10	0.26
(1,1789)	1:125:A:LYS:HG2	1:125:A:LYS:HE2	5	0.26
(1,1789)	1:125:A:LYS:HG2	1:125:A:LYS:HE3	5	0.26
(1,1789)	1:125:A:LYS:HG3	1:125:A:LYS:HE2	5	0.26
(1,1789)	1:125:A:LYS:HG3	1:125:A:LYS:HE3	5	0.26
(1,1789)	1:125:A:LYS:HG2	1:125:A:LYS:HE2	6	0.26
(1,1789)	1:125:A:LYS:HG2	1:125:A:LYS:HE3	6	0.26
(1,1789)	1:125:A:LYS:HG3	1:125:A:LYS:HE2	6	0.26
(1,1789)	1:125:A:LYS:HG3	1:125:A:LYS:HE3	6	0.26
(1,1789)	1:125:A:LYS:HG2	1:125:A:LYS:HE2	8	0.26
(1,1789)	1:125:A:LYS:HG2	1:125:A:LYS:HE3	8	0.26
(1,1789)	1:125:A:LYS:HG3	1:125:A:LYS:HE2	8	0.26
(1,1789)	1:125:A:LYS:HG3	1:125:A:LYS:HE3	8	0.26
(1,1769)	1:120:A:VAL:HG21	1:120:A:VAL:H	2	0.26
(1,1769)	1:120:A:VAL:HG22	1:120:A:VAL:H	2	0.26
(1,1769)	1:120:A:VAL:HG23	1:120:A:VAL:H	2	0.26
(1,1723)	1:116:A:GLU:HG2	1:116:A:GLU:H	10	0.26
(1,1723)	1:116:A:GLU:HG3	1:116:A:GLU:H	10	0.26
(1,1537)	1:102:A:ILE:HD11	1:107:A:PRO:HA	10	0.26
(1,1537)	1:102:A:ILE:HD12	1:107:A:PRO:HA	10	0.26
(1,1537)	1:102:A:ILE:HD13	1:107:A:PRO:HA	10	0.26
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD11	5	0.26
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD12	5	0.26
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD13	5	0.26
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG21	1	0.26
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG22	1	0.26
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG23	1	0.26
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG21	10	0.26
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG22	10	0.26
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG23	10	0.26
(1,1399)	1:87:A:THR:HG21	1:87:A:THR:H	10	0.26
(1,1399)	1:87:A:THR:HG22	1:87:A:THR:H	10	0.26
(1,1399)	1:87:A:THR:HG23	1:87:A:THR:H	10	0.26
(1,1338)	1:85:A:TYR:HD1	1:86:A:GLU:H	3	0.26
(1,1338)	1:85:A:TYR:HD2	1:86:A:GLU:H	3	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:80:A:GLN:HA	1:101:A:VAL:H	10	0.26
(1,1173)	1:79:A:ILE:H	1:158:A:ALA:HA	4	0.26
(1,1173)	1:79:A:ILE:H	1:158:A:ALA:HA	7	0.26
(1,1165)	1:79:A:ILE:HG12	1:79:A:ILE:H	10	0.26
(1,1114)	1:78:A:GLN:HA	1:159:A:PHE:HB3	7	0.26
(1,873)	1:67:A:ALA:HB1	1:68:A:GLU:H	1	0.26
(1,873)	1:67:A:ALA:HB2	1:68:A:GLU:H	1	0.26
(1,873)	1:67:A:ALA:HB3	1:68:A:GLU:H	1	0.26
(1,724)	1:62:A:VAL:HG11	1:63:A:THR:H	3	0.26
(1,724)	1:62:A:VAL:HG12	1:63:A:THR:H	3	0.26
(1,724)	1:62:A:VAL:HG13	1:63:A:THR:H	3	0.26
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG11	4	0.26
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG12	4	0.26
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG13	4	0.26
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG11	9	0.26
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG12	9	0.26
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG13	9	0.26
(1,623)	1:55:A:VAL:H	1:115:A:LYS:HA	6	0.26
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG11	10	0.26
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG12	10	0.26
(1,610)	1:55:A:VAL:HA	1:55:A:VAL:HG13	10	0.26
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG21	4	0.26
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG22	4	0.26
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG23	4	0.26
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG21	1	0.26
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG22	1	0.26
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG23	1	0.26
(1,299)	1:39:A:GLN:HA	1:39:A:GLN:H	10	0.26
(1,292)	1:37:A:GLY:HA2	1:37:A:GLY:H	10	0.26
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD11	8	0.26
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD12	8	0.26
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD13	8	0.26
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD11	8	0.26
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD12	8	0.26
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD13	8	0.26
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD11	8	0.26
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD12	8	0.26
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD13	8	0.26
(1,109)	1:26:A:GLU:H	1:47:A:ALA:HA	1	0.26
(1,109)	1:26:A:GLU:H	1:47:A:ALA:HA	4	0.26
(3,13)	1:181:A:GLN:HA	1:181:A:GLN:HB2	5	0.25
(3,4)	1:57:A:ASP:HA	1:114:A:ASP:HA	7	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE1	8	0.25
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE2	8	0.25
(2,673)	1:127:A:GLY:H	1:128:A:TYR:HD1	6	0.25
(2,673)	1:127:A:GLY:H	1:128:A:TYR:HD2	6	0.25
(2,614)	1:118:A:ILE:HG21	1:151:A:VAL:HA	7	0.25
(2,614)	1:118:A:ILE:HG22	1:151:A:VAL:HA	7	0.25
(2,614)	1:118:A:ILE:HG23	1:151:A:VAL:HA	7	0.25
(2,552)	1:87:A:THR:H	1:92:A:LEU:HB2	2	0.25
(2,468)	1:79:A:ILE:HG21	1:156:A:PHE:HE1	5	0.25
(2,468)	1:79:A:ILE:HG21	1:156:A:PHE:HE2	5	0.25
(2,468)	1:79:A:ILE:HG22	1:156:A:PHE:HE1	5	0.25
(2,468)	1:79:A:ILE:HG22	1:156:A:PHE:HE2	5	0.25
(2,468)	1:79:A:ILE:HG23	1:156:A:PHE:HE1	5	0.25
(2,468)	1:79:A:ILE:HG23	1:156:A:PHE:HE2	5	0.25
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD1	10	0.25
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD2	10	0.25
(2,4)	1:15:A:THR:HG21	1:16:A:ALA:H	7	0.25
(2,4)	1:15:A:THR:HG22	1:16:A:ALA:H	7	0.25
(2,4)	1:15:A:THR:HG23	1:16:A:ALA:H	7	0.25
(1,2425)	1:177:A:PHE:HD1	1:177:A:PHE:H	4	0.25
(1,2425)	1:177:A:PHE:HD2	1:177:A:PHE:H	4	0.25
(1,2370)	1:174:A:ILE:HG21	1:175:A:PHE:HA	3	0.25
(1,2370)	1:174:A:ILE:HG22	1:175:A:PHE:HA	3	0.25
(1,2370)	1:174:A:ILE:HG23	1:175:A:PHE:HA	3	0.25
(1,2370)	1:174:A:ILE:HG21	1:175:A:PHE:HA	5	0.25
(1,2370)	1:174:A:ILE:HG22	1:175:A:PHE:HA	5	0.25
(1,2370)	1:174:A:ILE:HG23	1:175:A:PHE:HA	5	0.25
(1,2327)	1:171:A:LEU:HG	1:171:A:LEU:H	8	0.25
(1,2327)	1:171:A:LEU:HG	1:171:A:LEU:H	10	0.25
(1,2177)	1:157:A:LYS:H	1:158:A:ALA:HA	3	0.25
(1,2177)	1:157:A:LYS:H	1:158:A:ALA:HA	7	0.25
(1,2066)	1:148:A:THR:HA	1:149:A:LYS:H	1	0.25
(1,2066)	1:148:A:THR:HA	1:149:A:LYS:H	4	0.25
(1,2066)	1:148:A:THR:HA	1:149:A:LYS:H	5	0.25
(1,2038)	1:144:A:VAL:HG21	1:144:A:VAL:H	9	0.25
(1,2038)	1:144:A:VAL:HG22	1:144:A:VAL:H	9	0.25
(1,2038)	1:144:A:VAL:HG23	1:144:A:VAL:H	9	0.25
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD11	10	0.25
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD12	10	0.25
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD13	10	0.25
(1,2010)	1:142:A:ILE:HD11	1:145:A:TYR:HD1	7	0.25
(1,2010)	1:142:A:ILE:HD11	1:145:A:TYR:HD2	7	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2010)	1:142:A:ILE:HD12	1:145:A:TYR:HD1	7	0.25
(1,2010)	1:142:A:ILE:HD12	1:145:A:TYR:HD2	7	0.25
(1,2010)	1:142:A:ILE:HD13	1:145:A:TYR:HD1	7	0.25
(1,2010)	1:142:A:ILE:HD13	1:145:A:TYR:HD2	7	0.25
(1,1803)	1:129:A:THR:HA	1:129:A:THR:HG21	9	0.25
(1,1803)	1:129:A:THR:HA	1:129:A:THR:HG22	9	0.25
(1,1803)	1:129:A:THR:HA	1:129:A:THR:HG23	9	0.25
(1,1793)	1:128:A:TYR:HA	1:128:A:TYR:HB3	3	0.25
(1,1770)	1:120:A:VAL:HG21	1:121:A:LEU:H	10	0.25
(1,1770)	1:120:A:VAL:HG22	1:121:A:LEU:H	10	0.25
(1,1770)	1:120:A:VAL:HG23	1:121:A:LEU:H	10	0.25
(1,1768)	1:120:A:VAL:HG11	1:122:A:TYR:HE1	4	0.25
(1,1768)	1:120:A:VAL:HG11	1:122:A:TYR:HE2	4	0.25
(1,1768)	1:120:A:VAL:HG12	1:122:A:TYR:HE1	4	0.25
(1,1768)	1:120:A:VAL:HG12	1:122:A:TYR:HE2	4	0.25
(1,1768)	1:120:A:VAL:HG13	1:122:A:TYR:HE1	4	0.25
(1,1768)	1:120:A:VAL:HG13	1:122:A:TYR:HE2	4	0.25
(1,1767)	1:120:A:VAL:HG11	1:121:A:LEU:H	5	0.25
(1,1767)	1:120:A:VAL:HG12	1:121:A:LEU:H	5	0.25
(1,1767)	1:120:A:VAL:HG13	1:121:A:LEU:H	5	0.25
(1,1474)	1:95:A:PHE:HB2	1:95:A:PHE:H	3	0.25
(1,1474)	1:95:A:PHE:HB3	1:95:A:PHE:H	3	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG21	4	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG22	4	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG23	4	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG21	5	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG22	5	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG23	5	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG21	6	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG22	6	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG23	6	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG21	8	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG22	8	0.25
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG23	8	0.25
(1,1343)	1:85:A:TYR:HE1	1:152:A:ALA:HA	2	0.25
(1,1343)	1:85:A:TYR:HE2	1:152:A:ALA:HA	2	0.25
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD21	5	0.25
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD22	5	0.25
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD23	5	0.25
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG21	7	0.25
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG22	7	0.25
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG23	7	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:81:A:ILE:HG21	1:156:A:PHE:HE1	2	0.25
(1,1242)	1:81:A:ILE:HG21	1:156:A:PHE:HE2	2	0.25
(1,1242)	1:81:A:ILE:HG22	1:156:A:PHE:HE1	2	0.25
(1,1242)	1:81:A:ILE:HG22	1:156:A:PHE:HE2	2	0.25
(1,1242)	1:81:A:ILE:HG23	1:156:A:PHE:HE1	2	0.25
(1,1242)	1:81:A:ILE:HG23	1:156:A:PHE:HE2	2	0.25
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG21	4	0.25
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG22	4	0.25
(1,1189)	1:80:A:GLN:HG2	1:98:A:THR:HG23	4	0.25
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG21	4	0.25
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG22	4	0.25
(1,1189)	1:80:A:GLN:HG3	1:98:A:THR:HG23	4	0.25
(1,1180)	1:80:A:GLN:HA	1:101:A:VAL:H	6	0.25
(1,1173)	1:79:A:ILE:H	1:158:A:ALA:HA	9	0.25
(1,1114)	1:78:A:GLN:HA	1:159:A:PHE:HB3	3	0.25
(1,1032)	1:74:A:PHE:HE1	1:168:A:PHE:HZ	6	0.25
(1,1032)	1:74:A:PHE:HE2	1:168:A:PHE:HZ	6	0.25
(1,1013)	1:74:A:PHE:HB2	1:163:A:LYS:H	2	0.25
(1,924)	1:70:A:LEU:HD11	1:74:A:PHE:HD1	1	0.25
(1,924)	1:70:A:LEU:HD11	1:74:A:PHE:HD2	1	0.25
(1,924)	1:70:A:LEU:HD12	1:74:A:PHE:HD1	1	0.25
(1,924)	1:70:A:LEU:HD12	1:74:A:PHE:HD2	1	0.25
(1,924)	1:70:A:LEU:HD13	1:74:A:PHE:HD1	1	0.25
(1,924)	1:70:A:LEU:HD13	1:74:A:PHE:HD2	1	0.25
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD21	3	0.25
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD22	3	0.25
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD23	3	0.25
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD21	3	0.25
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD22	3	0.25
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD23	3	0.25
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD21	3	0.25
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD22	3	0.25
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD23	3	0.25
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG11	1	0.25
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG12	1	0.25
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG13	1	0.25
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG11	5	0.25
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG12	5	0.25
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG13	5	0.25
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG11	7	0.25
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG12	7	0.25
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG13	7	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG21	3	0.25
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG22	3	0.25
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG23	3	0.25
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG21	6	0.25
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG22	6	0.25
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG23	6	0.25
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG21	9	0.25
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG22	9	0.25
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG23	9	0.25
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG21	10	0.25
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG22	10	0.25
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG23	10	0.25
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG21	1	0.25
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG22	1	0.25
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG23	1	0.25
(1,543)	1:50:A:TRP:HA	1:151:A:VAL:HA	4	0.25
(1,543)	1:50:A:TRP:HA	1:151:A:VAL:HA	7	0.25
(1,268)	1:34:A:PRO:HD3	1:35:A:ALA:H	8	0.25
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD11	3	0.25
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD12	3	0.25
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD13	3	0.25
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD11	3	0.25
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD12	3	0.25
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD13	3	0.25
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD11	3	0.25
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD12	3	0.25
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD13	3	0.25
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD11	10	0.25
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD12	10	0.25
(1,212)	1:32:A:ILE:HB	1:32:A:ILE:HD13	10	0.25
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD1	3	0.25
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD2	3	0.25
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD1	3	0.25
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD2	3	0.25
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD1	3	0.25
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD2	3	0.25
(1,126)	1:27:A:SER:HB2	1:177:A:PHE:HE1	7	0.25
(1,126)	1:27:A:SER:HB2	1:177:A:PHE:HE2	7	0.25
(1,126)	1:27:A:SER:HB3	1:177:A:PHE:HE1	7	0.25
(1,126)	1:27:A:SER:HB3	1:177:A:PHE:HE2	7	0.25
(1,86)	1:25:A:VAL:HG21	1:49:A:VAL:HG21	7	0.25
(1,86)	1:25:A:VAL:HG21	1:49:A:VAL:HG22	7	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:25:A:VAL:HG21	1:49:A:VAL:HG23	7	0.25
(1,86)	1:25:A:VAL:HG22	1:49:A:VAL:HG21	7	0.25
(1,86)	1:25:A:VAL:HG22	1:49:A:VAL:HG22	7	0.25
(1,86)	1:25:A:VAL:HG22	1:49:A:VAL:HG23	7	0.25
(1,86)	1:25:A:VAL:HG23	1:49:A:VAL:HG21	7	0.25
(1,86)	1:25:A:VAL:HG23	1:49:A:VAL:HG22	7	0.25
(1,86)	1:25:A:VAL:HG23	1:49:A:VAL:HG23	7	0.25
(3,4)	1:57:A:ASP:HA	1:114:A:ASP:HA	9	0.24
(2,689)	1:131:A:THR:HA	1:145:A:TYR:HD1	3	0.24
(2,689)	1:131:A:THR:HA	1:145:A:TYR:HD2	3	0.24
(2,673)	1:127:A:GLY:H	1:128:A:TYR:HD1	5	0.24
(2,673)	1:127:A:GLY:H	1:128:A:TYR:HD2	5	0.24
(2,632)	1:122:A:TYR:HD1	1:125:A:LYS:H	5	0.24
(2,632)	1:122:A:TYR:HD2	1:125:A:LYS:H	5	0.24
(2,628)	1:122:A:TYR:HB3	1:123:A:PRO:HD2	4	0.24
(2,628)	1:122:A:TYR:HB3	1:123:A:PRO:HD2	8	0.24
(2,253)	1:47:A:ALA:H	1:48:A:ILE:HD11	5	0.24
(2,253)	1:47:A:ALA:H	1:48:A:ILE:HD12	5	0.24
(2,253)	1:47:A:ALA:H	1:48:A:ILE:HD13	5	0.24
(2,194)	1:38:A:ALA:HB1	1:39:A:GLN:HE21	7	0.24
(2,194)	1:38:A:ALA:HB2	1:39:A:GLN:HE21	7	0.24
(2,194)	1:38:A:ALA:HB3	1:39:A:GLN:HE21	7	0.24
(2,178)	1:36:A:ALA:H	1:37:A:GLY:H	8	0.24
(1,2177)	1:157:A:LYS:H	1:158:A:ALA:HA	10	0.24
(1,2089)	1:152:A:ALA:HB1	1:152:A:ALA:H	5	0.24
(1,2089)	1:152:A:ALA:HB2	1:152:A:ALA:H	5	0.24
(1,2089)	1:152:A:ALA:HB3	1:152:A:ALA:H	5	0.24
(1,2089)	1:152:A:ALA:HB1	1:152:A:ALA:H	7	0.24
(1,2089)	1:152:A:ALA:HB2	1:152:A:ALA:H	7	0.24
(1,2089)	1:152:A:ALA:HB3	1:152:A:ALA:H	7	0.24
(1,2066)	1:148:A:THR:HA	1:149:A:LYS:H	2	0.24
(1,2066)	1:148:A:THR:HA	1:149:A:LYS:H	3	0.24
(1,2066)	1:148:A:THR:HA	1:149:A:LYS:H	8	0.24
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD11	6	0.24
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD12	6	0.24
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD13	6	0.24
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD11	6	0.24
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD12	6	0.24
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD13	6	0.24
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD11	6	0.24
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD12	6	0.24
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD13	6	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD11	7	0.24
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD12	7	0.24
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD13	7	0.24
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD11	7	0.24
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD12	7	0.24
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD13	7	0.24
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD11	7	0.24
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD12	7	0.24
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD13	7	0.24
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD11	7	0.24
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD12	7	0.24
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD13	7	0.24
(1,1923)	1:134:A:TRP:HE1	1:139:A:PRO:HD2	7	0.24
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG21	8	0.24
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG22	8	0.24
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG23	8	0.24
(1,1803)	1:129:A:THR:HA	1:129:A:THR:HG21	1	0.24
(1,1803)	1:129:A:THR:HA	1:129:A:THR:HG22	1	0.24
(1,1803)	1:129:A:THR:HA	1:129:A:THR:HG23	1	0.24
(1,1803)	1:129:A:THR:HA	1:129:A:THR:HG21	2	0.24
(1,1803)	1:129:A:THR:HA	1:129:A:THR:HG22	2	0.24
(1,1803)	1:129:A:THR:HA	1:129:A:THR:HG23	2	0.24
(1,1800)	1:128:A:TYR:HD1	1:129:A:THR:HG21	4	0.24
(1,1800)	1:128:A:TYR:HD1	1:129:A:THR:HG22	4	0.24
(1,1800)	1:128:A:TYR:HD1	1:129:A:THR:HG23	4	0.24
(1,1800)	1:128:A:TYR:HD2	1:129:A:THR:HG21	4	0.24
(1,1800)	1:128:A:TYR:HD2	1:129:A:THR:HG22	4	0.24
(1,1800)	1:128:A:TYR:HD2	1:129:A:THR:HG23	4	0.24
(1,1769)	1:120:A:VAL:HG21	1:120:A:VAL:H	6	0.24
(1,1769)	1:120:A:VAL:HG22	1:120:A:VAL:H	6	0.24
(1,1769)	1:120:A:VAL:HG23	1:120:A:VAL:H	6	0.24
(1,1706)	1:115:A:LYS:HG2	1:115:A:LYS:H	2	0.24
(1,1706)	1:115:A:LYS:HG3	1:115:A:LYS:H	2	0.24
(1,1635)	1:111:A:ILE:HB	1:111:A:ILE:H	8	0.24
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG21	9	0.24
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG22	9	0.24
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG23	9	0.24
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG21	10	0.24
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG22	10	0.24
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG23	10	0.24
(1,1165)	1:79:A:ILE:HG12	1:79:A:ILE:H	3	0.24
(1,1165)	1:79:A:ILE:HG12	1:79:A:ILE:H	8	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1114)	1:78:A:GLN:HA	1:159:A:PHE:HB3	4	0.24
(1,1013)	1:74:A:PHE:HB2	1:163:A:LYS:H	1	0.24
(1,1013)	1:74:A:PHE:HB2	1:163:A:LYS:H	3	0.24
(1,941)	1:71:A:LYS:HA	1:74:A:PHE:HD1	5	0.24
(1,941)	1:71:A:LYS:HA	1:74:A:PHE:HD2	5	0.24
(1,886)	1:68:A:GLU:HA	1:71:A:LYS:HD2	5	0.24
(1,886)	1:68:A:GLU:HA	1:71:A:LYS:HD3	5	0.24
(1,873)	1:67:A:ALA:HB1	1:68:A:GLU:H	3	0.24
(1,873)	1:67:A:ALA:HB2	1:68:A:GLU:H	3	0.24
(1,873)	1:67:A:ALA:HB3	1:68:A:GLU:H	3	0.24
(1,837)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	8	0.24
(1,833)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	9	0.24
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD21	5	0.24
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD22	5	0.24
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD23	5	0.24
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD21	5	0.24
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD22	5	0.24
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD23	5	0.24
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD21	5	0.24
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD22	5	0.24
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD23	5	0.24
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD21	8	0.24
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD22	8	0.24
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD23	8	0.24
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD21	8	0.24
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD22	8	0.24
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD23	8	0.24
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD21	8	0.24
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD22	8	0.24
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD23	8	0.24
(1,728)	1:62:A:VAL:HG21	1:62:A:VAL:H	3	0.24
(1,728)	1:62:A:VAL:HG22	1:62:A:VAL:H	3	0.24
(1,728)	1:62:A:VAL:HG23	1:62:A:VAL:H	3	0.24
(1,727)	1:62:A:VAL:HG11	1:177:A:PHE:HE1	3	0.24
(1,727)	1:62:A:VAL:HG11	1:177:A:PHE:HE2	3	0.24
(1,727)	1:62:A:VAL:HG12	1:177:A:PHE:HE1	3	0.24
(1,727)	1:62:A:VAL:HG12	1:177:A:PHE:HE2	3	0.24
(1,727)	1:62:A:VAL:HG13	1:177:A:PHE:HE1	3	0.24
(1,727)	1:62:A:VAL:HG13	1:177:A:PHE:HE2	3	0.24
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG11	8	0.24
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG12	8	0.24
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG13	8	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:60:A:LEU:H	1:61:A:LYS:H	5	0.24
(1,627)	1:56:A:ASN:HB2	1:56:A:ASN:HD21	2	0.24
(1,627)	1:56:A:ASN:HB3	1:56:A:ASN:HD21	2	0.24
(1,627)	1:56:A:ASN:HB2	1:56:A:ASN:HD21	7	0.24
(1,627)	1:56:A:ASN:HB3	1:56:A:ASN:HD21	7	0.24
(1,582)	1:51:A:ILE:HG21	1:55:A:VAL:H	8	0.24
(1,582)	1:51:A:ILE:HG22	1:55:A:VAL:H	8	0.24
(1,582)	1:51:A:ILE:HG23	1:55:A:VAL:H	8	0.24
(1,475)	1:48:A:ILE:HA	1:151:A:VAL:HG21	5	0.24
(1,475)	1:48:A:ILE:HA	1:151:A:VAL:HG22	5	0.24
(1,475)	1:48:A:ILE:HA	1:151:A:VAL:HG23	5	0.24
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE1	4	0.24
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE2	4	0.24
(1,392)	1:44:A:ILE:HG21	1:158:A:ALA:H	10	0.24
(1,392)	1:44:A:ILE:HG22	1:158:A:ALA:H	10	0.24
(1,392)	1:44:A:ILE:HG23	1:158:A:ALA:H	10	0.24
(1,240)	1:32:A:ILE:HG21	1:74:A:PHE:HE1	2	0.24
(1,240)	1:32:A:ILE:HG21	1:74:A:PHE:HE2	2	0.24
(1,240)	1:32:A:ILE:HG22	1:74:A:PHE:HE1	2	0.24
(1,240)	1:32:A:ILE:HG22	1:74:A:PHE:HE2	2	0.24
(1,240)	1:32:A:ILE:HG23	1:74:A:PHE:HE1	2	0.24
(1,240)	1:32:A:ILE:HG23	1:74:A:PHE:HE2	2	0.24
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD11	4	0.24
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD12	4	0.24
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD13	4	0.24
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD11	4	0.24
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD12	4	0.24
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD13	4	0.24
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD11	4	0.24
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD12	4	0.24
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD13	4	0.24
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD1	2	0.24
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD2	2	0.24
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD1	2	0.24
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD2	2	0.24
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD1	2	0.24
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD2	2	0.24
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD1	4	0.24
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD2	4	0.24
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD1	4	0.24
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD2	4	0.24
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD1	4	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD2	4	0.24
(1,109)	1:26:A:GLU:H	1:47:A:ALA:HA	6	0.24
(1,109)	1:26:A:GLU:H	1:47:A:ALA:HA	8	0.24
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG21	5	0.24
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG22	5	0.24
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG23	5	0.24
(3,12)	1:181:A:GLN:HA	1:181:A:GLN:HB3	7	0.23
(2,731)	1:155:A:ASN:H	1:156:A:PHE:HD1	5	0.23
(2,731)	1:155:A:ASN:H	1:156:A:PHE:HD2	5	0.23
(2,729)	1:151:A:VAL:H	1:153:A:ILE:HD11	3	0.23
(2,729)	1:151:A:VAL:H	1:153:A:ILE:HD12	3	0.23
(2,729)	1:151:A:VAL:H	1:153:A:ILE:HD13	3	0.23
(2,628)	1:122:A:TYR:HB3	1:123:A:PRO:HD2	2	0.23
(2,547)	1:87:A:THR:HG21	1:91:A:ALA:H	9	0.23
(2,547)	1:87:A:THR:HG22	1:91:A:ALA:H	9	0.23
(2,547)	1:87:A:THR:HG23	1:91:A:ALA:H	9	0.23
(2,227)	1:43:A:ASP:HB3	1:46:A:TYR:HE1	9	0.23
(2,227)	1:43:A:ASP:HB3	1:46:A:TYR:HE2	9	0.23
(2,174)	1:35:A:ALA:HB1	1:40:A:GLY:H	5	0.23
(2,174)	1:35:A:ALA:HB2	1:40:A:GLY:H	5	0.23
(2,174)	1:35:A:ALA:HB3	1:40:A:GLY:H	5	0.23
(2,4)	1:15:A:THR:HG21	1:16:A:ALA:H	5	0.23
(2,4)	1:15:A:THR:HG22	1:16:A:ALA:H	5	0.23
(2,4)	1:15:A:THR:HG23	1:16:A:ALA:H	5	0.23
(1,2463)	1:182:A:VAL:HG21	1:182:A:VAL:H	10	0.23
(1,2463)	1:182:A:VAL:HG22	1:182:A:VAL:H	10	0.23
(1,2463)	1:182:A:VAL:HG23	1:182:A:VAL:H	10	0.23
(1,2371)	1:174:A:ILE:HG21	1:175:A:PHE:H	3	0.23
(1,2371)	1:174:A:ILE:HG22	1:175:A:PHE:H	3	0.23
(1,2371)	1:174:A:ILE:HG23	1:175:A:PHE:H	3	0.23
(1,2349)	1:173:A:VAL:HB	1:174:A:ILE:H	1	0.23
(1,2349)	1:173:A:VAL:HB	1:174:A:ILE:H	2	0.23
(1,2321)	1:171:A:LEU:HD11	1:171:A:LEU:H	2	0.23
(1,2321)	1:171:A:LEU:HD12	1:171:A:LEU:H	2	0.23
(1,2321)	1:171:A:LEU:HD13	1:171:A:LEU:H	2	0.23
(1,2310)	1:170:A:SER:H	1:171:A:LEU:HD11	2	0.23
(1,2310)	1:170:A:SER:H	1:171:A:LEU:HD12	2	0.23
(1,2310)	1:170:A:SER:H	1:171:A:LEU:HD13	2	0.23
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG21	10	0.23
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG22	10	0.23
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG23	10	0.23
(1,2066)	1:148:A:THR:HA	1:149:A:LYS:H	10	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD11	2	0.23
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD12	2	0.23
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD13	2	0.23
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD11	2	0.23
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD12	2	0.23
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD13	2	0.23
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD11	2	0.23
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD12	2	0.23
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD13	2	0.23
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD11	3	0.23
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD12	3	0.23
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD13	3	0.23
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD11	3	0.23
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD12	3	0.23
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD13	3	0.23
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD11	3	0.23
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD12	3	0.23
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD13	3	0.23
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD11	10	0.23
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD12	10	0.23
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD13	10	0.23
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD11	10	0.23
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD12	10	0.23
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD13	10	0.23
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD11	10	0.23
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD12	10	0.23
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD13	10	0.23
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG21	8	0.23
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG22	8	0.23
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG23	8	0.23
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD11	3	0.23
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD12	3	0.23
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD13	3	0.23
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD11	9	0.23
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD12	9	0.23
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD13	9	0.23
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG21	5	0.23
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG22	5	0.23
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG23	5	0.23
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG21	6	0.23
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG22	6	0.23
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG23	6	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1978)	1:139:A:PRO:HA	1:142:A:ILE:HD11	1	0.23
(1,1978)	1:139:A:PRO:HA	1:142:A:ILE:HD12	1	0.23
(1,1978)	1:139:A:PRO:HA	1:142:A:ILE:HD13	1	0.23
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG21	4	0.23
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG22	4	0.23
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG23	4	0.23
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG21	7	0.23
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG22	7	0.23
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG23	7	0.23
(1,1818)	1:131:A:THR:HG21	1:131:A:THR:H	9	0.23
(1,1818)	1:131:A:THR:HG22	1:131:A:THR:H	9	0.23
(1,1818)	1:131:A:THR:HG23	1:131:A:THR:H	9	0.23
(1,1769)	1:120:A:VAL:HG21	1:120:A:VAL:H	1	0.23
(1,1769)	1:120:A:VAL:HG22	1:120:A:VAL:H	1	0.23
(1,1769)	1:120:A:VAL:HG23	1:120:A:VAL:H	1	0.23
(1,1769)	1:120:A:VAL:HG21	1:120:A:VAL:H	5	0.23
(1,1769)	1:120:A:VAL:HG22	1:120:A:VAL:H	5	0.23
(1,1769)	1:120:A:VAL:HG23	1:120:A:VAL:H	5	0.23
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD21	8	0.23
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD22	8	0.23
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD23	8	0.23
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD21	9	0.23
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD22	9	0.23
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD23	9	0.23
(1,1640)	1:111:A:ILE:HG21	1:112:A:VAL:H	4	0.23
(1,1640)	1:111:A:ILE:HG22	1:112:A:VAL:H	4	0.23
(1,1640)	1:111:A:ILE:HG23	1:112:A:VAL:H	4	0.23
(1,1399)	1:87:A:THR:HG21	1:87:A:THR:H	1	0.23
(1,1399)	1:87:A:THR:HG22	1:87:A:THR:H	1	0.23
(1,1399)	1:87:A:THR:HG23	1:87:A:THR:H	1	0.23
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG21	5	0.23
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG22	5	0.23
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG23	5	0.23
(1,1236)	1:81:A:ILE:HG21	1:154:A:LEU:HB3	1	0.23
(1,1236)	1:81:A:ILE:HG22	1:154:A:LEU:HB3	1	0.23
(1,1236)	1:81:A:ILE:HG23	1:154:A:LEU:HB3	1	0.23
(1,1180)	1:80:A:GLN:HA	1:101:A:VAL:H	7	0.23
(1,1173)	1:79:A:ILE:H	1:158:A:ALA:HA	5	0.23
(1,1165)	1:79:A:ILE:HG12	1:79:A:ILE:H	7	0.23
(1,1114)	1:78:A:GLN:HA	1:159:A:PHE:HB3	6	0.23
(1,1114)	1:78:A:GLN:HA	1:159:A:PHE:HB3	8	0.23
(1,1038)	1:74:A:PHE:HZ	1:171:A:LEU:H	8	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:74:A:PHE:HB2	1:163:A:LYS:H	4	0.23
(1,1013)	1:74:A:PHE:HB2	1:163:A:LYS:H	5	0.23
(1,1013)	1:74:A:PHE:HB2	1:163:A:LYS:H	6	0.23
(1,1013)	1:74:A:PHE:HB2	1:163:A:LYS:H	7	0.23
(1,915)	1:69:A:GLN:HG3	1:70:A:LEU:H	6	0.23
(1,915)	1:69:A:GLN:HG3	1:70:A:LEU:H	9	0.23
(1,911)	1:69:A:GLN:HE22	1:70:A:LEU:H	9	0.23
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD21	10	0.23
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD22	10	0.23
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD23	10	0.23
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD21	10	0.23
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD22	10	0.23
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD23	10	0.23
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD21	10	0.23
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD22	10	0.23
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD23	10	0.23
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG11	2	0.23
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG12	2	0.23
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG13	2	0.23
(1,627)	1:56:A:ASN:HB2	1:56:A:ASN:HD21	1	0.23
(1,627)	1:56:A:ASN:HB3	1:56:A:ASN:HD21	1	0.23
(1,627)	1:56:A:ASN:HB2	1:56:A:ASN:HD21	3	0.23
(1,627)	1:56:A:ASN:HB3	1:56:A:ASN:HD21	3	0.23
(1,627)	1:56:A:ASN:HB2	1:56:A:ASN:HD21	4	0.23
(1,627)	1:56:A:ASN:HB3	1:56:A:ASN:HD21	4	0.23
(1,627)	1:56:A:ASN:HB2	1:56:A:ASN:HD21	5	0.23
(1,627)	1:56:A:ASN:HB3	1:56:A:ASN:HD21	5	0.23
(1,627)	1:56:A:ASN:HB2	1:56:A:ASN:HD21	8	0.23
(1,627)	1:56:A:ASN:HB3	1:56:A:ASN:HD21	8	0.23
(1,627)	1:56:A:ASN:HB2	1:56:A:ASN:HD21	9	0.23
(1,627)	1:56:A:ASN:HB3	1:56:A:ASN:HD21	9	0.23
(1,627)	1:56:A:ASN:HB2	1:56:A:ASN:HD21	10	0.23
(1,627)	1:56:A:ASN:HB3	1:56:A:ASN:HD21	10	0.23
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG21	5	0.23
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG22	5	0.23
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG23	5	0.23
(1,553)	1:50:A:TRP:HB2	1:52:A:LYS:H	5	0.23
(1,498)	1:48:A:ILE:HG21	1:50:A:TRP:HZ2	5	0.23
(1,498)	1:48:A:ILE:HG22	1:50:A:TRP:HZ2	5	0.23
(1,498)	1:48:A:ILE:HG23	1:50:A:TRP:HZ2	5	0.23
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE1	3	0.23
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE2	3	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:47:A:ALA:HB1	1:48:A:ILE:H	4	0.23
(1,455)	1:47:A:ALA:HB2	1:48:A:ILE:H	4	0.23
(1,455)	1:47:A:ALA:HB3	1:48:A:ILE:H	4	0.23
(1,389)	1:44:A:ILE:HG21	1:44:A:ILE:H	10	0.23
(1,389)	1:44:A:ILE:HG22	1:44:A:ILE:H	10	0.23
(1,389)	1:44:A:ILE:HG23	1:44:A:ILE:H	10	0.23
(1,246)	1:32:A:ILE:HG21	1:168:A:PHE:HE1	10	0.23
(1,246)	1:32:A:ILE:HG21	1:168:A:PHE:HE2	10	0.23
(1,246)	1:32:A:ILE:HG22	1:168:A:PHE:HE1	10	0.23
(1,246)	1:32:A:ILE:HG22	1:168:A:PHE:HE2	10	0.23
(1,246)	1:32:A:ILE:HG23	1:168:A:PHE:HE1	10	0.23
(1,246)	1:32:A:ILE:HG23	1:168:A:PHE:HE2	10	0.23
(1,109)	1:26:A:GLU:H	1:47:A:ALA:HA	10	0.23
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG21	10	0.23
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG22	10	0.23
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG23	10	0.23
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE1	4	0.22
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE2	4	0.22
(2,714)	1:141:A:LYS:HD2	1:142:A:ILE:H	9	0.22
(2,714)	1:141:A:LYS:HD3	1:142:A:ILE:H	9	0.22
(2,593)	1:114:A:ASP:HB2	1:116:A:GLU:HG2	7	0.22
(2,593)	1:114:A:ASP:HB2	1:116:A:GLU:HG3	7	0.22
(2,590)	1:110:A:VAL:H	1:111:A:ILE:HD11	1	0.22
(2,590)	1:110:A:VAL:H	1:111:A:ILE:HD12	1	0.22
(2,590)	1:110:A:VAL:H	1:111:A:ILE:HD13	1	0.22
(2,537)	1:85:A:TYR:H	1:85:A:TYR:HE1	2	0.22
(2,537)	1:85:A:TYR:H	1:85:A:TYR:HE2	2	0.22
(2,525)	1:85:A:TYR:HE1	1:85:A:TYR:H	2	0.22
(2,525)	1:85:A:TYR:HE2	1:85:A:TYR:H	2	0.22
(2,488)	1:80:A:GLN:H	1:81:A:ILE:HD11	4	0.22
(2,488)	1:80:A:GLN:H	1:81:A:ILE:HD12	4	0.22
(2,488)	1:80:A:GLN:H	1:81:A:ILE:HD13	4	0.22
(1,2448)	1:179:A:VAL:HG11	1:179:A:VAL:H	10	0.22
(1,2448)	1:179:A:VAL:HG12	1:179:A:VAL:H	10	0.22
(1,2448)	1:179:A:VAL:HG13	1:179:A:VAL:H	10	0.22
(1,2425)	1:177:A:PHE:HD1	1:177:A:PHE:H	1	0.22
(1,2425)	1:177:A:PHE:HD2	1:177:A:PHE:H	1	0.22
(1,2370)	1:174:A:ILE:HG21	1:175:A:PHE:HA	10	0.22
(1,2370)	1:174:A:ILE:HG22	1:175:A:PHE:HA	10	0.22
(1,2370)	1:174:A:ILE:HG23	1:175:A:PHE:HA	10	0.22
(1,2349)	1:173:A:VAL:HB	1:174:A:ILE:H	7	0.22
(1,2286)	1:168:A:PHE:HD1	1:168:A:PHE:H	8	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2286)	1:168:A:PHE:HD2	1:168:A:PHE:H	8	0.22
(1,2154)	1:156:A:PHE:HD1	1:156:A:PHE:H	9	0.22
(1,2154)	1:156:A:PHE:HD2	1:156:A:PHE:H	9	0.22
(1,2154)	1:156:A:PHE:HD1	1:156:A:PHE:H	10	0.22
(1,2154)	1:156:A:PHE:HD2	1:156:A:PHE:H	10	0.22
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG21	3	0.22
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG22	3	0.22
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG23	3	0.22
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG21	6	0.22
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG22	6	0.22
(1,2093)	1:153:A:ILE:HA	1:153:A:ILE:HG23	6	0.22
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG21	4	0.22
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG22	4	0.22
(1,2022)	1:143:A:ILE:HA	1:143:A:ILE:HG23	4	0.22
(1,2013)	1:142:A:ILE:HG21	1:143:A:ILE:H	5	0.22
(1,2013)	1:142:A:ILE:HG22	1:143:A:ILE:H	5	0.22
(1,2013)	1:142:A:ILE:HG23	1:143:A:ILE:H	5	0.22
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG21	1	0.22
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG22	1	0.22
(1,2003)	1:142:A:ILE:HA	1:142:A:ILE:HG23	1	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG21	1	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG22	1	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG23	1	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG21	3	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG22	3	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG23	3	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG21	5	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG22	5	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG23	5	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG21	10	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG22	10	0.22
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG23	10	0.22
(1,1845)	1:132:A:SER:HB2	1:145:A:TYR:HD1	9	0.22
(1,1845)	1:132:A:SER:HB2	1:145:A:TYR:HD2	9	0.22
(1,1769)	1:120:A:VAL:HG21	1:120:A:VAL:H	3	0.22
(1,1769)	1:120:A:VAL:HG22	1:120:A:VAL:H	3	0.22
(1,1769)	1:120:A:VAL:HG23	1:120:A:VAL:H	3	0.22
(1,1769)	1:120:A:VAL:HG21	1:120:A:VAL:H	9	0.22
(1,1769)	1:120:A:VAL:HG22	1:120:A:VAL:H	9	0.22
(1,1769)	1:120:A:VAL:HG23	1:120:A:VAL:H	9	0.22
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD21	3	0.22
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD22	3	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD23	3	0.22
(1,1502)	1:97:A:GLU:H	1:98:A:THR:HA	2	0.22
(1,1502)	1:97:A:GLU:H	1:98:A:THR:HA	5	0.22
(1,1502)	1:97:A:GLU:H	1:98:A:THR:HA	9	0.22
(1,1446)	1:90:A:THR:HA	1:93:A:GLY:H	9	0.22
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG21	2	0.22
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG22	2	0.22
(1,1445)	1:90:A:THR:HA	1:90:A:THR:HG23	2	0.22
(1,1400)	1:87:A:THR:HG21	1:88:A:ASN:HA	9	0.22
(1,1400)	1:87:A:THR:HG22	1:88:A:ASN:HA	9	0.22
(1,1400)	1:87:A:THR:HG23	1:88:A:ASN:HA	9	0.22
(1,1338)	1:85:A:TYR:HD1	1:86:A:GLU:H	8	0.22
(1,1338)	1:85:A:TYR:HD2	1:86:A:GLU:H	8	0.22
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD21	7	0.22
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD22	7	0.22
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD23	7	0.22
(1,1216)	1:81:A:ILE:HD11	1:100:A:ALA:H	4	0.22
(1,1216)	1:81:A:ILE:HD12	1:100:A:ALA:H	4	0.22
(1,1216)	1:81:A:ILE:HD13	1:100:A:ALA:H	4	0.22
(1,1185)	1:80:A:GLN:HB2	1:159:A:PHE:HD1	7	0.22
(1,1185)	1:80:A:GLN:HB2	1:159:A:PHE:HD2	7	0.22
(1,1185)	1:80:A:GLN:HB3	1:159:A:PHE:HD1	7	0.22
(1,1185)	1:80:A:GLN:HB3	1:159:A:PHE:HD2	7	0.22
(1,1173)	1:79:A:ILE:H	1:158:A:ALA:HA	2	0.22
(1,1173)	1:79:A:ILE:H	1:158:A:ALA:HA	6	0.22
(1,1116)	1:78:A:GLN:HB3	1:78:A:GLN:H	4	0.22
(1,1114)	1:78:A:GLN:HA	1:159:A:PHE:HB3	10	0.22
(1,1109)	1:78:A:GLN:HA	1:78:A:GLN:HG2	10	0.22
(1,1109)	1:78:A:GLN:HA	1:78:A:GLN:HG3	10	0.22
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD11	3	0.22
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD12	3	0.22
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD13	3	0.22
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD11	3	0.22
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD12	3	0.22
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD13	3	0.22
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD11	3	0.22
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD12	3	0.22
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD13	3	0.22
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD11	3	0.22
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD12	3	0.22
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD13	3	0.22
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD11	3	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD12	3	0.22
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD13	3	0.22
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD11	3	0.22
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD12	3	0.22
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD13	3	0.22
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD11	7	0.22
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD12	7	0.22
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD13	7	0.22
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD11	7	0.22
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD12	7	0.22
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD13	7	0.22
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD11	7	0.22
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD12	7	0.22
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD13	7	0.22
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD11	7	0.22
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD12	7	0.22
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD13	7	0.22
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD11	7	0.22
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD12	7	0.22
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD13	7	0.22
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD11	7	0.22
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD12	7	0.22
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD13	7	0.22
(1,1020)	1:74:A:PHE:HD1	1:162:A:ALA:HA	9	0.22
(1,1020)	1:74:A:PHE:HD2	1:162:A:ALA:HA	9	0.22
(1,911)	1:69:A:GLN:HE22	1:70:A:LEU:H	5	0.22
(1,909)	1:69:A:GLN:HB2	1:70:A:LEU:H	6	0.22
(1,873)	1:67:A:ALA:HB1	1:68:A:GLU:H	5	0.22
(1,873)	1:67:A:ALA:HB2	1:68:A:GLU:H	5	0.22
(1,873)	1:67:A:ALA:HB3	1:68:A:GLU:H	5	0.22
(1,728)	1:62:A:VAL:HG21	1:62:A:VAL:H	5	0.22
(1,728)	1:62:A:VAL:HG22	1:62:A:VAL:H	5	0.22
(1,728)	1:62:A:VAL:HG23	1:62:A:VAL:H	5	0.22
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG11	10	0.22
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG12	10	0.22
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG13	10	0.22
(1,684)	1:60:A:LEU:H	1:61:A:LYS:H	7	0.22
(1,623)	1:55:A:VAL:H	1:115:A:LYS:HA	4	0.22
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG21	7	0.22
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG22	7	0.22
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG23	7	0.22
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG21	1	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG22	1	0.22
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG23	1	0.22
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG21	8	0.22
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG22	8	0.22
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG23	8	0.22
(1,543)	1:50:A:TRP:HA	1:151:A:VAL:HA	5	0.22
(1,495)	1:48:A:ILE:HG21	1:50:A:TRP:HE1	10	0.22
(1,495)	1:48:A:ILE:HG22	1:50:A:TRP:HE1	10	0.22
(1,495)	1:48:A:ILE:HG23	1:50:A:TRP:HE1	10	0.22
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE1	10	0.22
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE2	10	0.22
(1,461)	1:47:A:ALA:H	1:153:A:ILE:HG21	3	0.22
(1,461)	1:47:A:ALA:H	1:153:A:ILE:HG22	3	0.22
(1,461)	1:47:A:ALA:H	1:153:A:ILE:HG23	3	0.22
(1,289)	1:37:A:GLY:HA3	1:37:A:GLY:H	7	0.22
(3,4)	1:57:A:ASP:HA	1:114:A:ASP:HA	2	0.21
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE1	1	0.21
(2,768)	1:173:A:VAL:HB	1:175:A:PHE:HE2	1	0.21
(2,731)	1:155:A:ASN:H	1:156:A:PHE:HD1	9	0.21
(2,731)	1:155:A:ASN:H	1:156:A:PHE:HD2	9	0.21
(2,714)	1:141:A:LYS:HD2	1:142:A:ILE:H	3	0.21
(2,714)	1:141:A:LYS:HD3	1:142:A:ILE:H	3	0.21
(2,632)	1:122:A:TYR:HD1	1:125:A:LYS:H	9	0.21
(2,632)	1:122:A:TYR:HD2	1:125:A:LYS:H	9	0.21
(2,618)	1:119:A:ALA:HB1	1:149:A:LYS:H	3	0.21
(2,618)	1:119:A:ALA:HB2	1:149:A:LYS:H	3	0.21
(2,618)	1:119:A:ALA:HB3	1:149:A:LYS:H	3	0.21
(2,552)	1:87:A:THR:H	1:92:A:LEU:HB2	9	0.21
(2,468)	1:79:A:ILE:HG21	1:156:A:PHE:HE1	3	0.21
(2,468)	1:79:A:ILE:HG21	1:156:A:PHE:HE2	3	0.21
(2,468)	1:79:A:ILE:HG22	1:156:A:PHE:HE1	3	0.21
(2,468)	1:79:A:ILE:HG22	1:156:A:PHE:HE2	3	0.21
(2,468)	1:79:A:ILE:HG23	1:156:A:PHE:HE1	3	0.21
(2,468)	1:79:A:ILE:HG23	1:156:A:PHE:HE2	3	0.21
(2,341)	1:59:A:LYS:H	1:59:A:LYS:HE2	5	0.21
(2,341)	1:59:A:LYS:H	1:59:A:LYS:HE3	5	0.21
(2,194)	1:38:A:ALA:HB1	1:39:A:GLN:HE21	10	0.21
(2,194)	1:38:A:ALA:HB2	1:39:A:GLN:HE21	10	0.21
(2,194)	1:38:A:ALA:HB3	1:39:A:GLN:HE21	10	0.21
(2,178)	1:36:A:ALA:H	1:37:A:GLY:H	4	0.21
(1,2370)	1:174:A:ILE:HG21	1:175:A:PHE:HA	8	0.21
(1,2370)	1:174:A:ILE:HG22	1:175:A:PHE:HA	8	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2370)	1:174:A:ILE:HG23	1:175:A:PHE:HA	8	0.21
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE1	7	0.21
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE2	7	0.21
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE1	7	0.21
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE2	7	0.21
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE1	7	0.21
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE2	7	0.21
(1,2349)	1:173:A:VAL:HB	1:174:A:ILE:H	8	0.21
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG21	2	0.21
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG22	2	0.21
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG23	2	0.21
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG21	7	0.21
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG22	7	0.21
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG23	7	0.21
(1,2154)	1:156:A:PHE:HD1	1:156:A:PHE:H	2	0.21
(1,2154)	1:156:A:PHE:HD2	1:156:A:PHE:H	2	0.21
(1,2154)	1:156:A:PHE:HD1	1:156:A:PHE:H	8	0.21
(1,2154)	1:156:A:PHE:HD2	1:156:A:PHE:H	8	0.21
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD11	9	0.21
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD12	9	0.21
(1,2030)	1:143:A:ILE:HG21	1:143:A:ILE:HD13	9	0.21
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD11	9	0.21
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD12	9	0.21
(1,2030)	1:143:A:ILE:HG22	1:143:A:ILE:HD13	9	0.21
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD11	9	0.21
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD12	9	0.21
(1,2030)	1:143:A:ILE:HG23	1:143:A:ILE:HD13	9	0.21
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD11	6	0.21
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD12	6	0.21
(1,2021)	1:143:A:ILE:HA	1:143:A:ILE:HD13	6	0.21
(1,1892)	1:134:A:TRP:HB3	1:135:A:VAL:H	5	0.21
(1,1859)	1:133:A:ILE:HD11	1:144:A:VAL:HB	6	0.21
(1,1859)	1:133:A:ILE:HD12	1:144:A:VAL:HB	6	0.21
(1,1859)	1:133:A:ILE:HD13	1:144:A:VAL:HB	6	0.21
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG21	9	0.21
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG22	9	0.21
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG23	9	0.21
(1,1818)	1:131:A:THR:HG21	1:131:A:THR:H	1	0.21
(1,1818)	1:131:A:THR:HG22	1:131:A:THR:H	1	0.21
(1,1818)	1:131:A:THR:HG23	1:131:A:THR:H	1	0.21
(1,1775)	1:121:A:LEU:HB2	1:121:A:LEU:H	9	0.21
(1,1774)	1:121:A:LEU:HB3	1:121:A:LEU:H	6	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:120:A:VAL:HG21	1:121:A:LEU:H	7	0.21
(1,1770)	1:120:A:VAL:HG22	1:121:A:LEU:H	7	0.21
(1,1770)	1:120:A:VAL:HG23	1:121:A:LEU:H	7	0.21
(1,1767)	1:120:A:VAL:HG11	1:121:A:LEU:H	8	0.21
(1,1767)	1:120:A:VAL:HG12	1:121:A:LEU:H	8	0.21
(1,1767)	1:120:A:VAL:HG13	1:121:A:LEU:H	8	0.21
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD21	2	0.21
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD22	2	0.21
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD23	2	0.21
(1,1635)	1:111:A:ILE:HB	1:111:A:ILE:H	6	0.21
(1,1505)	1:98:A:THR:HA	1:100:A:ALA:H	3	0.21
(1,1502)	1:97:A:GLU:H	1:98:A:THR:HA	1	0.21
(1,1459)	1:92:A:LEU:HG	1:92:A:LEU:H	4	0.21
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG21	1	0.21
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG22	1	0.21
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG23	1	0.21
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG21	3	0.21
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG22	3	0.21
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG23	3	0.21
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG21	6	0.21
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG22	6	0.21
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG23	6	0.21
(1,1180)	1:80:A:GLN:HA	1:101:A:VAL:H	8	0.21
(1,1165)	1:79:A:ILE:HG12	1:79:A:ILE:H	1	0.21
(1,1165)	1:79:A:ILE:HG12	1:79:A:ILE:H	9	0.21
(1,1116)	1:78:A:GLN:HB3	1:78:A:GLN:H	7	0.21
(1,1114)	1:78:A:GLN:HA	1:159:A:PHE:HB3	1	0.21
(1,1114)	1:78:A:GLN:HA	1:159:A:PHE:HB3	5	0.21
(1,915)	1:69:A:GLN:HG3	1:70:A:LEU:H	2	0.21
(1,912)	1:69:A:GLN:HG3	1:69:A:GLN:HE21	9	0.21
(1,873)	1:67:A:ALA:HB1	1:68:A:GLU:H	9	0.21
(1,873)	1:67:A:ALA:HB2	1:68:A:GLU:H	9	0.21
(1,873)	1:67:A:ALA:HB3	1:68:A:GLU:H	9	0.21
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD21	9	0.21
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD22	9	0.21
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD23	9	0.21
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD21	9	0.21
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD22	9	0.21
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD23	9	0.21
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD21	9	0.21
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD22	9	0.21
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD23	9	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD1	9	0.21
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD2	9	0.21
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD1	9	0.21
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD2	9	0.21
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD1	9	0.21
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD2	9	0.21
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG21	6	0.21
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG22	6	0.21
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG23	6	0.21
(1,684)	1:60:A:LEU:H	1:61:A:LYS:H	4	0.21
(1,684)	1:60:A:LEU:H	1:61:A:LYS:H	8	0.21
(1,623)	1:55:A:VAL:H	1:115:A:LYS:HA	7	0.21
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG21	2	0.21
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG22	2	0.21
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG23	2	0.21
(1,296)	1:38:A:ALA:HB1	1:39:A:GLN:H	8	0.21
(1,296)	1:38:A:ALA:HB2	1:39:A:GLN:H	8	0.21
(1,296)	1:38:A:ALA:HB3	1:39:A:GLN:H	8	0.21
(1,268)	1:34:A:PRO:HD3	1:35:A:ALA:H	7	0.21
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG21	7	0.21
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG22	7	0.21
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG23	7	0.21
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	9	0.21
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	9	0.21
(1,109)	1:26:A:GLU:H	1:47:A:ALA:HA	2	0.21
(1,109)	1:26:A:GLU:H	1:47:A:ALA:HA	5	0.21
(1,109)	1:26:A:GLU:H	1:47:A:ALA:HA	9	0.21
(3,12)	1:181:A:GLN:HA	1:181:A:GLN:HB3	2	0.2
(3,12)	1:181:A:GLN:HA	1:181:A:GLN:HB3	4	0.2
(3,12)	1:181:A:GLN:HA	1:181:A:GLN:HB3	6	0.2
(3,12)	1:181:A:GLN:HA	1:181:A:GLN:HB3	8	0.2
(3,12)	1:181:A:GLN:HA	1:181:A:GLN:HB3	9	0.2
(3,12)	1:181:A:GLN:HA	1:181:A:GLN:HB3	10	0.2
(3,4)	1:57:A:ASP:HA	1:114:A:ASP:HA	4	0.2
(3,2)	1:33:A:THR:HA	1:34:A:PRO:HD3	2	0.2
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD21	1	0.2
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD22	1	0.2
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD23	1	0.2
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD21	10	0.2
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD22	10	0.2
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD23	10	0.2
(2,754)	1:167:A:LEU:HD21	1:167:A:LEU:H	1	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,754)	1:167:A:LEU:HD22	1:167:A:LEU:H	1	0.2
(2,754)	1:167:A:LEU:HD23	1:167:A:LEU:H	1	0.2
(2,754)	1:167:A:LEU:HD21	1:167:A:LEU:H	10	0.2
(2,754)	1:167:A:LEU:HD22	1:167:A:LEU:H	10	0.2
(2,754)	1:167:A:LEU:HD23	1:167:A:LEU:H	10	0.2
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE1	9	0.2
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE2	9	0.2
(2,729)	1:151:A:VAL:H	1:153:A:ILE:HD11	8	0.2
(2,729)	1:151:A:VAL:H	1:153:A:ILE:HD12	8	0.2
(2,729)	1:151:A:VAL:H	1:153:A:ILE:HD13	8	0.2
(2,726)	1:145:A:TYR:HE1	1:145:A:TYR:H	5	0.2
(2,726)	1:145:A:TYR:HE2	1:145:A:TYR:H	5	0.2
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG2	3	0.2
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG3	3	0.2
(2,298)	1:54:A:GLN:HB3	1:54:A:GLN:HE21	5	0.2
(1,2371)	1:174:A:ILE:HG21	1:175:A:PHE:H	10	0.2
(1,2371)	1:174:A:ILE:HG22	1:175:A:PHE:H	10	0.2
(1,2371)	1:174:A:ILE:HG23	1:175:A:PHE:H	10	0.2
(1,2348)	1:173:A:VAL:HB	1:173:A:VAL:H	6	0.2
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG11	2	0.2
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG12	2	0.2
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG13	2	0.2
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG11	6	0.2
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG12	6	0.2
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG13	6	0.2
(1,2260)	1:163:A:LYS:H	1:168:A:PHE:HZ	1	0.2
(1,2028)	1:143:A:ILE:HD11	1:143:A:ILE:H	7	0.2
(1,2028)	1:143:A:ILE:HD12	1:143:A:ILE:H	7	0.2
(1,2028)	1:143:A:ILE:HD13	1:143:A:ILE:H	7	0.2
(1,1892)	1:134:A:TRP:HB3	1:135:A:VAL:H	2	0.2
(1,1892)	1:134:A:TRP:HB3	1:135:A:VAL:H	9	0.2
(1,1785)	1:123:A:PRO:HD3	1:123:A:PRO:HD2	1	0.2
(1,1785)	1:123:A:PRO:HD3	1:123:A:PRO:HD2	2	0.2
(1,1785)	1:123:A:PRO:HD3	1:123:A:PRO:HD2	3	0.2
(1,1785)	1:123:A:PRO:HD3	1:123:A:PRO:HD2	4	0.2
(1,1785)	1:123:A:PRO:HD3	1:123:A:PRO:HD2	5	0.2
(1,1785)	1:123:A:PRO:HD3	1:123:A:PRO:HD2	6	0.2
(1,1785)	1:123:A:PRO:HD3	1:123:A:PRO:HD2	7	0.2
(1,1785)	1:123:A:PRO:HD3	1:123:A:PRO:HD2	8	0.2
(1,1785)	1:123:A:PRO:HD3	1:123:A:PRO:HD2	9	0.2
(1,1785)	1:123:A:PRO:HD3	1:123:A:PRO:HD2	10	0.2
(1,1774)	1:121:A:LEU:HB3	1:121:A:LEU:H	3	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1723)	1:116:A:GLU:HG2	1:116:A:GLU:H	2	0.2
(1,1723)	1:116:A:GLU:HG3	1:116:A:GLU:H	2	0.2
(1,1640)	1:111:A:ILE:HG21	1:112:A:VAL:H	2	0.2
(1,1640)	1:111:A:ILE:HG22	1:112:A:VAL:H	2	0.2
(1,1640)	1:111:A:ILE:HG23	1:112:A:VAL:H	2	0.2
(1,1572)	1:104:A:LEU:HD11	1:104:A:LEU:H	4	0.2
(1,1572)	1:104:A:LEU:HD12	1:104:A:LEU:H	4	0.2
(1,1572)	1:104:A:LEU:HD13	1:104:A:LEU:H	4	0.2
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG21	6	0.2
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG22	6	0.2
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG23	6	0.2
(1,1371)	1:86:A:GLU:H	1:134:A:TRP:HE1	7	0.2
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG21	4	0.2
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG22	4	0.2
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG23	4	0.2
(1,1180)	1:80:A:GLN:HA	1:101:A:VAL:H	3	0.2
(1,1165)	1:79:A:ILE:HG12	1:79:A:ILE:H	4	0.2
(1,1116)	1:78:A:GLN:HB3	1:78:A:GLN:H	3	0.2
(1,1116)	1:78:A:GLN:HB3	1:78:A:GLN:H	8	0.2
(1,1114)	1:78:A:GLN:HA	1:159:A:PHE:HB3	2	0.2
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD11	10	0.2
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD12	10	0.2
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD13	10	0.2
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD11	10	0.2
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD12	10	0.2
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD13	10	0.2
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD11	10	0.2
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD12	10	0.2
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD13	10	0.2
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD11	10	0.2
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD12	10	0.2
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD13	10	0.2
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD11	10	0.2
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD12	10	0.2
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD13	10	0.2
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD11	10	0.2
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD12	10	0.2
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD13	10	0.2
(1,1019)	1:74:A:PHE:HD1	1:160:A:TYR:HD1	7	0.2
(1,1019)	1:74:A:PHE:HD1	1:160:A:TYR:HD2	7	0.2
(1,1019)	1:74:A:PHE:HD2	1:160:A:TYR:HD1	7	0.2
(1,1019)	1:74:A:PHE:HD2	1:160:A:TYR:HD2	7	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:74:A:PHE:HB2	1:163:A:LYS:H	9	0.2
(1,941)	1:71:A:LYS:HA	1:74:A:PHE:HD1	1	0.2
(1,941)	1:71:A:LYS:HA	1:74:A:PHE:HD2	1	0.2
(1,914)	1:69:A:GLN:HG3	1:69:A:GLN:H	1	0.2
(1,914)	1:69:A:GLN:HG3	1:69:A:GLN:H	7	0.2
(1,909)	1:69:A:GLN:HB2	1:70:A:LEU:H	10	0.2
(1,908)	1:69:A:GLN:HB3	1:70:A:LEU:H	8	0.2
(1,894)	1:68:A:GLU:H	1:69:A:GLN:H	4	0.2
(1,857)	1:66:A:ASN:HD22	1:174:A:ILE:H	7	0.2
(1,849)	1:66:A:ASN:HD22	1:66:A:ASN:H	10	0.2
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD21	1	0.2
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD22	1	0.2
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD23	1	0.2
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD21	1	0.2
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD22	1	0.2
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD23	1	0.2
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD21	1	0.2
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD22	1	0.2
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD23	1	0.2
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG11	6	0.2
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG12	6	0.2
(1,709)	1:62:A:VAL:HA	1:62:A:VAL:HG13	6	0.2
(1,684)	1:60:A:LEU:H	1:61:A:LYS:H	6	0.2
(1,647)	1:58:A:VAL:HB	1:58:A:VAL:H	5	0.2
(1,647)	1:58:A:VAL:HB	1:58:A:VAL:H	6	0.2
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG21	4	0.2
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG22	4	0.2
(1,621)	1:55:A:VAL:H	1:55:A:VAL:HG23	4	0.2
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG21	8	0.2
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG22	8	0.2
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG23	8	0.2
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG21	5	0.2
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG22	5	0.2
(1,556)	1:50:A:TRP:HD1	1:151:A:VAL:HG23	5	0.2
(1,553)	1:50:A:TRP:HB2	1:52:A:LYS:H	8	0.2
(1,553)	1:50:A:TRP:HB2	1:52:A:LYS:H	10	0.2
(1,543)	1:50:A:TRP:HA	1:151:A:VAL:HA	9	0.2
(1,495)	1:48:A:ILE:HG21	1:50:A:TRP:HE1	2	0.2
(1,495)	1:48:A:ILE:HG22	1:50:A:TRP:HE1	2	0.2
(1,495)	1:48:A:ILE:HG23	1:50:A:TRP:HE1	2	0.2
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE1	1	0.2
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE2	1	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,392)	1:44:A:ILE:HG21	1:158:A:ALA:H	8	0.2
(1,392)	1:44:A:ILE:HG22	1:158:A:ALA:H	8	0.2
(1,392)	1:44:A:ILE:HG23	1:158:A:ALA:H	8	0.2
(1,235)	1:32:A:ILE:HG21	1:33:A:THR:H	1	0.2
(1,235)	1:32:A:ILE:HG22	1:33:A:THR:H	1	0.2
(1,235)	1:32:A:ILE:HG23	1:33:A:THR:H	1	0.2
(1,223)	1:32:A:ILE:HD11	1:160:A:TYR:HE1	1	0.2
(1,223)	1:32:A:ILE:HD11	1:160:A:TYR:HE2	1	0.2
(1,223)	1:32:A:ILE:HD12	1:160:A:TYR:HE1	1	0.2
(1,223)	1:32:A:ILE:HD12	1:160:A:TYR:HE2	1	0.2
(1,223)	1:32:A:ILE:HD13	1:160:A:TYR:HE1	1	0.2
(1,223)	1:32:A:ILE:HD13	1:160:A:TYR:HE2	1	0.2
(1,109)	1:26:A:GLU:H	1:47:A:ALA:HA	3	0.2
(1,11)	1:20:A:SER:HB2	1:21:A:GLU:H	7	0.2
(1,11)	1:20:A:SER:HB3	1:21:A:GLU:H	7	0.2
(3,12)	1:181:A:GLN:HA	1:181:A:GLN:HB3	1	0.19
(3,12)	1:181:A:GLN:HA	1:181:A:GLN:HB3	3	0.19
(2,714)	1:141:A:LYS:HD2	1:142:A:ILE:H	4	0.19
(2,714)	1:141:A:LYS:HD3	1:142:A:ILE:H	4	0.19
(2,632)	1:122:A:TYR:HD1	1:125:A:LYS:H	6	0.19
(2,632)	1:122:A:TYR:HD2	1:125:A:LYS:H	6	0.19
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG2	7	0.19
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG3	7	0.19
(2,534)	1:85:A:TYR:HE1	1:151:A:VAL:H	10	0.19
(2,534)	1:85:A:TYR:HE2	1:151:A:VAL:H	10	0.19
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD21	7	0.19
(2,239)	1:46:A:TYR:HB3	1:155:A:ASN:HD22	7	0.19
(2,176)	1:35:A:ALA:H	1:37:A:GLY:H	7	0.19
(1,2371)	1:174:A:ILE:HG21	1:175:A:PHE:H	2	0.19
(1,2371)	1:174:A:ILE:HG22	1:175:A:PHE:H	2	0.19
(1,2371)	1:174:A:ILE:HG23	1:175:A:PHE:H	2	0.19
(1,2370)	1:174:A:ILE:HG21	1:175:A:PHE:HA	4	0.19
(1,2370)	1:174:A:ILE:HG22	1:175:A:PHE:HA	4	0.19
(1,2370)	1:174:A:ILE:HG23	1:175:A:PHE:HA	4	0.19
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG21	2	0.19
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG22	2	0.19
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG23	2	0.19
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG21	6	0.19
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG22	6	0.19
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG23	6	0.19
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG21	8	0.19
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG22	8	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG23	8	0.19
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG11	1	0.19
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG12	1	0.19
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG13	1	0.19
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG11	7	0.19
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG12	7	0.19
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG13	7	0.19
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG21	9	0.19
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG22	9	0.19
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG23	9	0.19
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD11	9	0.19
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD12	9	0.19
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD13	9	0.19
(1,2139)	1:155:A:ASN:H	1:156:A:PHE:HZ	1	0.19
(1,2091)	1:152:A:ALA:H	1:153:A:ILE:HD11	3	0.19
(1,2091)	1:152:A:ALA:H	1:153:A:ILE:HD12	3	0.19
(1,2091)	1:152:A:ALA:H	1:153:A:ILE:HD13	3	0.19
(1,2079)	1:151:A:VAL:HG11	1:151:A:VAL:H	1	0.19
(1,2079)	1:151:A:VAL:HG12	1:151:A:VAL:H	1	0.19
(1,2079)	1:151:A:VAL:HG13	1:151:A:VAL:H	1	0.19
(1,2079)	1:151:A:VAL:HG11	1:151:A:VAL:H	2	0.19
(1,2079)	1:151:A:VAL:HG12	1:151:A:VAL:H	2	0.19
(1,2079)	1:151:A:VAL:HG13	1:151:A:VAL:H	2	0.19
(1,2015)	1:142:A:ILE:HG21	1:144:A:VAL:H	7	0.19
(1,2015)	1:142:A:ILE:HG22	1:144:A:VAL:H	7	0.19
(1,2015)	1:142:A:ILE:HG23	1:144:A:VAL:H	7	0.19
(1,1892)	1:134:A:TRP:HB3	1:135:A:VAL:H	7	0.19
(1,1882)	1:134:A:TRP:HA	1:143:A:ILE:HA	4	0.19
(1,1882)	1:134:A:TRP:HA	1:143:A:ILE:HA	8	0.19
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG21	2	0.19
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG22	2	0.19
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG23	2	0.19
(1,1835)	1:132:A:SER:HA	1:145:A:TYR:HB2	6	0.19
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG21	4	0.19
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG22	4	0.19
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG23	4	0.19
(1,1775)	1:121:A:LEU:HB2	1:121:A:LEU:H	2	0.19
(1,1774)	1:121:A:LEU:HB3	1:121:A:LEU:H	4	0.19
(1,1635)	1:111:A:ILE:HB	1:111:A:ILE:H	7	0.19
(1,1505)	1:98:A:THR:HA	1:100:A:ALA:H	6	0.19
(1,1505)	1:98:A:THR:HA	1:100:A:ALA:H	7	0.19
(1,1502)	1:97:A:GLU:H	1:98:A:THR:HA	3	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1502)	1:97:A:GLU:H	1:98:A:THR:HA	4	0.19
(1,1502)	1:97:A:GLU:H	1:98:A:THR:HA	6	0.19
(1,1502)	1:97:A:GLU:H	1:98:A:THR:HA	8	0.19
(1,1502)	1:97:A:GLU:H	1:98:A:THR:HA	10	0.19
(1,1399)	1:87:A:THR:HG21	1:87:A:THR:H	8	0.19
(1,1399)	1:87:A:THR:HG22	1:87:A:THR:H	8	0.19
(1,1399)	1:87:A:THR:HG23	1:87:A:THR:H	8	0.19
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG21	1	0.19
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG22	1	0.19
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG23	1	0.19
(1,1233)	1:81:A:ILE:HG21	1:100:A:ALA:HB1	2	0.19
(1,1233)	1:81:A:ILE:HG21	1:100:A:ALA:HB2	2	0.19
(1,1233)	1:81:A:ILE:HG21	1:100:A:ALA:HB3	2	0.19
(1,1233)	1:81:A:ILE:HG22	1:100:A:ALA:HB1	2	0.19
(1,1233)	1:81:A:ILE:HG22	1:100:A:ALA:HB2	2	0.19
(1,1233)	1:81:A:ILE:HG22	1:100:A:ALA:HB3	2	0.19
(1,1233)	1:81:A:ILE:HG23	1:100:A:ALA:HB1	2	0.19
(1,1233)	1:81:A:ILE:HG23	1:100:A:ALA:HB2	2	0.19
(1,1233)	1:81:A:ILE:HG23	1:100:A:ALA:HB3	2	0.19
(1,1173)	1:79:A:ILE:H	1:158:A:ALA:HA	1	0.19
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD11	7	0.19
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD12	7	0.19
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD13	7	0.19
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD11	7	0.19
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD12	7	0.19
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD13	7	0.19
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD11	7	0.19
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD12	7	0.19
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD13	7	0.19
(1,1165)	1:79:A:ILE:HG12	1:79:A:ILE:H	2	0.19
(1,1165)	1:79:A:ILE:HG12	1:79:A:ILE:H	6	0.19
(1,1116)	1:78:A:GLN:HB3	1:78:A:GLN:H	5	0.19
(1,1116)	1:78:A:GLN:HB3	1:78:A:GLN:H	6	0.19
(1,1116)	1:78:A:GLN:HB3	1:78:A:GLN:H	9	0.19
(1,1116)	1:78:A:GLN:HB3	1:78:A:GLN:H	10	0.19
(1,1095)	1:77:A:LEU:HD11	1:159:A:PHE:H	6	0.19
(1,1095)	1:77:A:LEU:HD12	1:159:A:PHE:H	6	0.19
(1,1095)	1:77:A:LEU:HD13	1:159:A:PHE:H	6	0.19
(1,1095)	1:77:A:LEU:HD21	1:159:A:PHE:H	6	0.19
(1,1095)	1:77:A:LEU:HD22	1:159:A:PHE:H	6	0.19
(1,1095)	1:77:A:LEU:HD23	1:159:A:PHE:H	6	0.19
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD11	1	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD12	1	0.19
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD13	1	0.19
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD11	1	0.19
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD12	1	0.19
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD13	1	0.19
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD11	1	0.19
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD12	1	0.19
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD13	1	0.19
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD11	1	0.19
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD12	1	0.19
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD13	1	0.19
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD11	1	0.19
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD12	1	0.19
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD13	1	0.19
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD11	1	0.19
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD12	1	0.19
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD13	1	0.19
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD11	2	0.19
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD12	2	0.19
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD13	2	0.19
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD11	2	0.19
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD12	2	0.19
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD13	2	0.19
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD11	2	0.19
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD12	2	0.19
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD13	2	0.19
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD11	2	0.19
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD12	2	0.19
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD13	2	0.19
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD11	2	0.19
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD12	2	0.19
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD13	2	0.19
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD11	2	0.19
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD12	2	0.19
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD13	2	0.19
(1,1075)	1:76:A:TYR:H	1:162:A:ALA:HA	8	0.19
(1,1075)	1:76:A:TYR:H	1:162:A:ALA:HA	9	0.19
(1,992)	1:73:A:TYR:HE1	1:171:A:LEU:HD21	9	0.19
(1,992)	1:73:A:TYR:HE1	1:171:A:LEU:HD22	9	0.19
(1,992)	1:73:A:TYR:HE1	1:171:A:LEU:HD23	9	0.19
(1,992)	1:73:A:TYR:HE2	1:171:A:LEU:HD21	9	0.19
(1,992)	1:73:A:TYR:HE2	1:171:A:LEU:HD22	9	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,992)	1:73:A:TYR:HE2	1:171:A:LEU:HD23	9	0.19
(1,989)	1:73:A:TYR:HD1	1:74:A:PHE:HE1	2	0.19
(1,989)	1:73:A:TYR:HD1	1:74:A:PHE:HE2	2	0.19
(1,989)	1:73:A:TYR:HD2	1:74:A:PHE:HE1	2	0.19
(1,989)	1:73:A:TYR:HD2	1:74:A:PHE:HE2	2	0.19
(1,915)	1:69:A:GLN:HG3	1:70:A:LEU:H	8	0.19
(1,837)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	5	0.19
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD21	7	0.19
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD22	7	0.19
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD23	7	0.19
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD21	7	0.19
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD22	7	0.19
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD23	7	0.19
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD21	7	0.19
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD22	7	0.19
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD23	7	0.19
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG21	10	0.19
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG22	10	0.19
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG23	10	0.19
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG21	8	0.19
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG22	8	0.19
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG23	8	0.19
(1,647)	1:58:A:VAL:HB	1:58:A:VAL:H	3	0.19
(1,623)	1:55:A:VAL:H	1:115:A:LYS:HA	10	0.19
(1,598)	1:53:A:ASP:H	1:54:A:GLN:H	5	0.19
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG21	2	0.19
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG22	2	0.19
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG23	2	0.19
(1,553)	1:50:A:TRP:HB2	1:52:A:LYS:H	1	0.19
(1,543)	1:50:A:TRP:HA	1:151:A:VAL:HA	1	0.19
(1,543)	1:50:A:TRP:HA	1:151:A:VAL:HA	2	0.19
(1,543)	1:50:A:TRP:HA	1:151:A:VAL:HA	3	0.19
(1,543)	1:50:A:TRP:HA	1:151:A:VAL:HA	8	0.19
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE1	6	0.19
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE2	6	0.19
(1,445)	1:46:A:TYR:HE1	1:141:A:LYS:HE3	4	0.19
(1,445)	1:46:A:TYR:HE2	1:141:A:LYS:HE3	4	0.19
(1,292)	1:37:A:GLY:HA2	1:37:A:GLY:H	4	0.19
(1,260)	1:33:A:THR:HG21	1:34:A:PRO:HD3	4	0.19
(1,260)	1:33:A:THR:HG22	1:34:A:PRO:HD3	4	0.19
(1,260)	1:33:A:THR:HG23	1:34:A:PRO:HD3	4	0.19
(1,235)	1:32:A:ILE:HG21	1:33:A:THR:H	5	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:32:A:ILE:HG22	1:33:A:THR:H	5	0.19
(1,235)	1:32:A:ILE:HG23	1:33:A:THR:H	5	0.19
(1,235)	1:32:A:ILE:HG21	1:33:A:THR:H	6	0.19
(1,235)	1:32:A:ILE:HG22	1:33:A:THR:H	6	0.19
(1,235)	1:32:A:ILE:HG23	1:33:A:THR:H	6	0.19
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG21	3	0.19
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG22	3	0.19
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG23	3	0.19
(1,109)	1:26:A:GLU:H	1:47:A:ALA:HA	7	0.19
(1,92)	1:25:A:VAL:H	1:50:A:TRP:HE1	1	0.19
(1,92)	1:25:A:VAL:H	1:50:A:TRP:HE1	7	0.19
(1,77)	1:25:A:VAL:HG11	1:25:A:VAL:H	6	0.19
(1,77)	1:25:A:VAL:HG12	1:25:A:VAL:H	6	0.19
(1,77)	1:25:A:VAL:HG13	1:25:A:VAL:H	6	0.19
(3,13)	1:181:A:GLN:HA	1:181:A:GLN:HB2	1	0.18
(3,13)	1:181:A:GLN:HA	1:181:A:GLN:HB2	2	0.18
(3,13)	1:181:A:GLN:HA	1:181:A:GLN:HB2	3	0.18
(3,13)	1:181:A:GLN:HA	1:181:A:GLN:HB2	4	0.18
(3,13)	1:181:A:GLN:HA	1:181:A:GLN:HB2	8	0.18
(3,13)	1:181:A:GLN:HA	1:181:A:GLN:HB2	9	0.18
(3,13)	1:181:A:GLN:HA	1:181:A:GLN:HB2	10	0.18
(2,760)	1:168:A:PHE:HE1	1:171:A:LEU:HG	1	0.18
(2,760)	1:168:A:PHE:HE2	1:171:A:LEU:HG	1	0.18
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE1	1	0.18
(2,740)	1:162:A:ALA:HA	1:168:A:PHE:HE2	1	0.18
(2,723)	1:145:A:TYR:HA	1:147:A:GLU:HG2	6	0.18
(2,723)	1:145:A:TYR:HA	1:147:A:GLU:HG3	6	0.18
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE1	5	0.18
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE2	5	0.18
(2,352)	1:63:A:THR:H	1:175:A:PHE:HE1	6	0.18
(2,352)	1:63:A:THR:H	1:175:A:PHE:HE2	6	0.18
(2,194)	1:38:A:ALA:HB1	1:39:A:GLN:HE21	8	0.18
(2,194)	1:38:A:ALA:HB2	1:39:A:GLN:HE21	8	0.18
(2,194)	1:38:A:ALA:HB3	1:39:A:GLN:HE21	8	0.18
(1,2349)	1:173:A:VAL:HB	1:174:A:ILE:H	5	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG21	1	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG22	1	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG23	1	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG21	3	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG22	3	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG23	3	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG21	4	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG22	4	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG23	4	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG21	5	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG22	5	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG23	5	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG21	7	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG22	7	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG23	7	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG21	10	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG22	10	0.18
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG23	10	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG11	3	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG12	3	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG13	3	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG11	4	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG12	4	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG13	4	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG11	5	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG12	5	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG13	5	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG11	8	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG12	8	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG13	8	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG11	10	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG12	10	0.18
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG13	10	0.18
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG21	1	0.18
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG22	1	0.18
(1,2343)	1:173:A:VAL:HA	1:173:A:VAL:HG23	1	0.18
(1,2313)	1:171:A:LEU:HA	1:171:A:LEU:HD11	9	0.18
(1,2313)	1:171:A:LEU:HA	1:171:A:LEU:HD12	9	0.18
(1,2313)	1:171:A:LEU:HA	1:171:A:LEU:HD13	9	0.18
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD11	2	0.18
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD12	2	0.18
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD13	2	0.18
(1,2272)	1:166:A:MET:HB2	1:167:A:LEU:H	10	0.18
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD21	4	0.18
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD22	4	0.18
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD21	4	0.18
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD22	4	0.18
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD21	4	0.18
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD22	4	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1892)	1:134:A:TRP:HB3	1:135:A:VAL:H	3	0.18
(1,1892)	1:134:A:TRP:HB3	1:135:A:VAL:H	10	0.18
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG21	6	0.18
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG22	6	0.18
(1,1852)	1:133:A:ILE:HA	1:133:A:ILE:HG23	6	0.18
(1,1774)	1:121:A:LEU:HB3	1:121:A:LEU:H	1	0.18
(1,1757)	1:119:A:ALA:HB1	1:133:A:ILE:HD11	5	0.18
(1,1757)	1:119:A:ALA:HB1	1:133:A:ILE:HD12	5	0.18
(1,1757)	1:119:A:ALA:HB1	1:133:A:ILE:HD13	5	0.18
(1,1757)	1:119:A:ALA:HB2	1:133:A:ILE:HD11	5	0.18
(1,1757)	1:119:A:ALA:HB2	1:133:A:ILE:HD12	5	0.18
(1,1757)	1:119:A:ALA:HB2	1:133:A:ILE:HD13	5	0.18
(1,1757)	1:119:A:ALA:HB3	1:133:A:ILE:HD11	5	0.18
(1,1757)	1:119:A:ALA:HB3	1:133:A:ILE:HD12	5	0.18
(1,1757)	1:119:A:ALA:HB3	1:133:A:ILE:HD13	5	0.18
(1,1502)	1:97:A:GLU:H	1:98:A:THR:HA	7	0.18
(1,1483)	1:95:A:PHE:HE1	1:116:A:GLU:HB3	8	0.18
(1,1483)	1:95:A:PHE:HE2	1:116:A:GLU:HB3	8	0.18
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG21	3	0.18
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG22	3	0.18
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG23	3	0.18
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG21	9	0.18
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG22	9	0.18
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG23	9	0.18
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG21	4	0.18
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG22	4	0.18
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG23	4	0.18
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD21	3	0.18
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD22	3	0.18
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD23	3	0.18
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD21	8	0.18
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD22	8	0.18
(1,1298)	1:83:A:SER:HA	1:154:A:LEU:HD23	8	0.18
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG21	8	0.18
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG22	8	0.18
(1,1252)	1:82:A:THR:HA	1:82:A:THR:HG23	8	0.18
(1,1180)	1:80:A:GLN:HA	1:101:A:VAL:H	5	0.18
(1,1165)	1:79:A:ILE:HG12	1:79:A:ILE:H	5	0.18
(1,1128)	1:78:A:GLN:H	1:158:A:ALA:HA	8	0.18
(1,1128)	1:78:A:GLN:H	1:158:A:ALA:HA	10	0.18
(1,1116)	1:78:A:GLN:HB3	1:78:A:GLN:H	2	0.18
(1,1114)	1:78:A:GLN:HA	1:159:A:PHE:HB3	9	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB1	2	0.18
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB2	2	0.18
(1,1030)	1:74:A:PHE:HE1	1:162:A:ALA:HB3	2	0.18
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB1	2	0.18
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB2	2	0.18
(1,1030)	1:74:A:PHE:HE2	1:162:A:ALA:HB3	2	0.18
(1,1006)	1:74:A:PHE:HA	1:163:A:LYS:H	3	0.18
(1,1006)	1:74:A:PHE:HA	1:163:A:LYS:H	5	0.18
(1,1006)	1:74:A:PHE:HA	1:163:A:LYS:H	7	0.18
(1,1006)	1:74:A:PHE:HA	1:163:A:LYS:H	8	0.18
(1,922)	1:70:A:LEU:HD11	1:70:A:LEU:H	7	0.18
(1,922)	1:70:A:LEU:HD12	1:70:A:LEU:H	7	0.18
(1,922)	1:70:A:LEU:HD13	1:70:A:LEU:H	7	0.18
(1,914)	1:69:A:GLN:HG3	1:69:A:GLN:H	8	0.18
(1,901)	1:69:A:GLN:HA	1:69:A:GLN:HG2	4	0.18
(1,854)	1:66:A:ASN:HD22	1:172:A:PRO:HD3	9	0.18
(1,849)	1:66:A:ASN:HD22	1:66:A:ASN:H	4	0.18
(1,849)	1:66:A:ASN:HD22	1:66:A:ASN:H	5	0.18
(1,849)	1:66:A:ASN:HD22	1:66:A:ASN:H	8	0.18
(1,845)	1:66:A:ASN:HD21	1:173:A:VAL:HA	4	0.18
(1,845)	1:66:A:ASN:HD21	1:173:A:VAL:HA	5	0.18
(1,845)	1:66:A:ASN:HD21	1:173:A:VAL:HA	8	0.18
(1,837)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	3	0.18
(1,837)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	4	0.18
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG21	4	0.18
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG22	4	0.18
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG23	4	0.18
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG21	4	0.18
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG22	4	0.18
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG23	4	0.18
(1,623)	1:55:A:VAL:H	1:115:A:LYS:HA	3	0.18
(1,623)	1:55:A:VAL:H	1:115:A:LYS:HA	9	0.18
(1,554)	1:50:A:TRP:HD1	1:50:A:TRP:H	4	0.18
(1,553)	1:50:A:TRP:HB2	1:52:A:LYS:H	2	0.18
(1,553)	1:50:A:TRP:HB2	1:52:A:LYS:H	9	0.18
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG21	6	0.18
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG22	6	0.18
(1,545)	1:50:A:TRP:HA	1:151:A:VAL:HG23	6	0.18
(1,541)	1:50:A:TRP:HA	1:51:A:ILE:HB	6	0.18
(1,498)	1:48:A:ILE:HG21	1:50:A:TRP:HZ2	10	0.18
(1,498)	1:48:A:ILE:HG22	1:50:A:TRP:HZ2	10	0.18
(1,498)	1:48:A:ILE:HG23	1:50:A:TRP:HZ2	10	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:36:A:ALA:HB1	1:36:A:ALA:H	10	0.18
(1,287)	1:36:A:ALA:HB2	1:36:A:ALA:H	10	0.18
(1,287)	1:36:A:ALA:HB3	1:36:A:ALA:H	10	0.18
(1,256)	1:33:A:THR:HA	1:168:A:PHE:HZ	2	0.18
(1,235)	1:32:A:ILE:HG21	1:33:A:THR:H	8	0.18
(1,235)	1:32:A:ILE:HG22	1:33:A:THR:H	8	0.18
(1,235)	1:32:A:ILE:HG23	1:33:A:THR:H	8	0.18
(1,235)	1:32:A:ILE:HG21	1:33:A:THR:H	9	0.18
(1,235)	1:32:A:ILE:HG22	1:33:A:THR:H	9	0.18
(1,235)	1:32:A:ILE:HG23	1:33:A:THR:H	9	0.18
(1,190)	1:31:A:SER:HA	1:32:A:ILE:HD11	5	0.18
(1,190)	1:31:A:SER:HA	1:32:A:ILE:HD12	5	0.18
(1,190)	1:31:A:SER:HA	1:32:A:ILE:HD13	5	0.18
(1,92)	1:25:A:VAL:H	1:50:A:TRP:HE1	3	0.18
(1,92)	1:25:A:VAL:H	1:50:A:TRP:HE1	4	0.18
(1,92)	1:25:A:VAL:H	1:50:A:TRP:HE1	5	0.18
(1,92)	1:25:A:VAL:H	1:50:A:TRP:HE1	8	0.18
(1,51)	1:24:A:ASP:HB2	1:25:A:VAL:H	6	0.18
(1,48)	1:24:A:ASP:HB3	1:50:A:TRP:HD1	6	0.18
(1,48)	1:24:A:ASP:HB3	1:50:A:TRP:HD1	10	0.18
(1,46)	1:24:A:ASP:HB3	1:50:A:TRP:HB3	6	0.18
(3,13)	1:181:A:GLN:HA	1:181:A:GLN:HB2	6	0.17
(3,4)	1:57:A:ASP:HA	1:114:A:ASP:HA	10	0.17
(2,721)	1:144:A:VAL:HA	1:145:A:TYR:HD1	5	0.17
(2,721)	1:144:A:VAL:HA	1:145:A:TYR:HD2	5	0.17
(2,714)	1:141:A:LYS:HD2	1:142:A:ILE:H	8	0.17
(2,714)	1:141:A:LYS:HD3	1:142:A:ILE:H	8	0.17
(2,618)	1:119:A:ALA:HB1	1:149:A:LYS:H	10	0.17
(2,618)	1:119:A:ALA:HB2	1:149:A:LYS:H	10	0.17
(2,618)	1:119:A:ALA:HB3	1:149:A:LYS:H	10	0.17
(2,534)	1:85:A:TYR:HE1	1:151:A:VAL:H	6	0.17
(2,534)	1:85:A:TYR:HE2	1:151:A:VAL:H	6	0.17
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG21	7	0.17
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG22	7	0.17
(2,481)	1:80:A:GLN:HE22	1:98:A:THR:HG23	7	0.17
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE1	4	0.17
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE2	4	0.17
(2,339)	1:59:A:LYS:HE2	1:111:A:ILE:H	10	0.17
(2,339)	1:59:A:LYS:HE3	1:111:A:ILE:H	10	0.17
(1,2463)	1:182:A:VAL:HG21	1:182:A:VAL:H	3	0.17
(1,2463)	1:182:A:VAL:HG22	1:182:A:VAL:H	3	0.17
(1,2463)	1:182:A:VAL:HG23	1:182:A:VAL:H	3	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2455)	1:182:A:VAL:HA	1:182:A:VAL:HB	1	0.17
(1,2455)	1:182:A:VAL:HA	1:182:A:VAL:HB	6	0.17
(1,2455)	1:182:A:VAL:HA	1:182:A:VAL:HB	8	0.17
(1,2455)	1:182:A:VAL:HA	1:182:A:VAL:HB	9	0.17
(1,2370)	1:174:A:ILE:HG21	1:175:A:PHE:HA	7	0.17
(1,2370)	1:174:A:ILE:HG22	1:175:A:PHE:HA	7	0.17
(1,2370)	1:174:A:ILE:HG23	1:175:A:PHE:HA	7	0.17
(1,2349)	1:173:A:VAL:HB	1:174:A:ILE:H	4	0.17
(1,2349)	1:173:A:VAL:HB	1:174:A:ILE:H	10	0.17
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG21	9	0.17
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG22	9	0.17
(1,2347)	1:173:A:VAL:HB	1:173:A:VAL:HG23	9	0.17
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG11	9	0.17
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG12	9	0.17
(1,2346)	1:173:A:VAL:HB	1:173:A:VAL:HG13	9	0.17
(1,2316)	1:171:A:LEU:HA	1:172:A:PRO:HD3	3	0.17
(1,2276)	1:167:A:LEU:H	1:168:A:PHE:H	2	0.17
(1,2272)	1:166:A:MET:HB2	1:167:A:LEU:H	1	0.17
(1,2270)	1:166:A:MET:HA	1:167:A:LEU:H	9	0.17
(1,2207)	1:159:A:PHE:HB2	1:159:A:PHE:H	3	0.17
(1,2207)	1:159:A:PHE:HB2	1:159:A:PHE:H	8	0.17
(1,2207)	1:159:A:PHE:HB2	1:159:A:PHE:H	10	0.17
(1,2176)	1:157:A:LYS:HE2	1:159:A:PHE:HE1	8	0.17
(1,2176)	1:157:A:LYS:HE2	1:159:A:PHE:HE2	8	0.17
(1,2176)	1:157:A:LYS:HE3	1:159:A:PHE:HE1	8	0.17
(1,2176)	1:157:A:LYS:HE3	1:159:A:PHE:HE2	8	0.17
(1,1984)	1:139:A:PRO:HD3	1:141:A:LYS:H	7	0.17
(1,1892)	1:134:A:TRP:HB3	1:135:A:VAL:H	4	0.17
(1,1892)	1:134:A:TRP:HB3	1:135:A:VAL:H	6	0.17
(1,1892)	1:134:A:TRP:HB3	1:135:A:VAL:H	8	0.17
(1,1882)	1:134:A:TRP:HA	1:143:A:ILE:HA	5	0.17
(1,1706)	1:115:A:LYS:HG2	1:115:A:LYS:H	6	0.17
(1,1706)	1:115:A:LYS:HG3	1:115:A:LYS:H	6	0.17
(1,1677)	1:114:A:ASP:HA	1:118:A:ILE:H	9	0.17
(1,1572)	1:104:A:LEU:HD11	1:104:A:LEU:H	8	0.17
(1,1572)	1:104:A:LEU:HD12	1:104:A:LEU:H	8	0.17
(1,1572)	1:104:A:LEU:HD13	1:104:A:LEU:H	8	0.17
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD11	1	0.17
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD12	1	0.17
(1,1522)	1:100:A:ALA:H	1:111:A:ILE:HD13	1	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG21	2	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG22	2	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG23	2	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG21	4	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG22	4	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG23	4	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG21	7	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG22	7	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG23	7	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG21	8	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG22	8	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG23	8	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG21	10	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG22	10	0.17
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG23	10	0.17
(1,1371)	1:86:A:GLU:H	1:134:A:TRP:HE1	9	0.17
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG21	1	0.17
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG22	1	0.17
(1,1342)	1:85:A:TYR:HE1	1:143:A:ILE:HG23	1	0.17
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG21	1	0.17
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG22	1	0.17
(1,1342)	1:85:A:TYR:HE2	1:143:A:ILE:HG23	1	0.17
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG21	2	0.17
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG22	2	0.17
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG23	2	0.17
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG21	4	0.17
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG22	4	0.17
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG23	4	0.17
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG21	9	0.17
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG22	9	0.17
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG23	9	0.17
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG21	10	0.17
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG22	10	0.17
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG23	10	0.17
(1,1250)	1:81:A:ILE:H	1:156:A:PHE:HA	2	0.17
(1,1241)	1:81:A:ILE:HG21	1:156:A:PHE:HD1	10	0.17
(1,1241)	1:81:A:ILE:HG21	1:156:A:PHE:HD2	10	0.17
(1,1241)	1:81:A:ILE:HG22	1:156:A:PHE:HD1	10	0.17
(1,1241)	1:81:A:ILE:HG22	1:156:A:PHE:HD2	10	0.17
(1,1241)	1:81:A:ILE:HG23	1:156:A:PHE:HD1	10	0.17
(1,1241)	1:81:A:ILE:HG23	1:156:A:PHE:HD2	10	0.17
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD11	6	0.17
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD12	6	0.17
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD13	6	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD11	6	0.17
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD12	6	0.17
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD13	6	0.17
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD11	6	0.17
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD12	6	0.17
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD13	6	0.17
(1,1128)	1:78:A:GLN:H	1:158:A:ALA:HA	4	0.17
(1,1116)	1:78:A:GLN:HB3	1:78:A:GLN:H	1	0.17
(1,1075)	1:76:A:TYR:H	1:162:A:ALA:HA	1	0.17
(1,911)	1:69:A:GLN:HE22	1:70:A:LEU:H	3	0.17
(1,911)	1:69:A:GLN:HE22	1:70:A:LEU:H	4	0.17
(1,908)	1:69:A:GLN:HB3	1:70:A:LEU:H	2	0.17
(1,857)	1:66:A:ASN:HD22	1:174:A:ILE:H	8	0.17
(1,849)	1:66:A:ASN:HD22	1:66:A:ASN:H	3	0.17
(1,837)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	10	0.17
(1,829)	1:66:A:ASN:HA	1:69:A:GLN:HG2	4	0.17
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD21	2	0.17
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD22	2	0.17
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD23	2	0.17
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD21	2	0.17
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD22	2	0.17
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD23	2	0.17
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD21	2	0.17
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD22	2	0.17
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD23	2	0.17
(1,761)	1:63:A:THR:H	1:175:A:PHE:HA	6	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG21	1	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG22	1	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG23	1	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG21	2	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG22	2	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG23	2	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG21	3	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG22	3	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG23	3	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG21	5	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG22	5	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG23	5	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG21	6	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG22	6	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG23	6	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG21	7	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG22	7	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG23	7	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG21	8	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG22	8	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG23	8	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG21	9	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG22	9	0.17
(1,745)	1:63:A:THR:HB	1:63:A:THR:HG23	9	0.17
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG21	7	0.17
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG22	7	0.17
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG23	7	0.17
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG21	10	0.17
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG22	10	0.17
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG23	10	0.17
(1,684)	1:60:A:LEU:H	1:61:A:LYS:H	1	0.17
(1,684)	1:60:A:LEU:H	1:61:A:LYS:H	2	0.17
(1,684)	1:60:A:LEU:H	1:61:A:LYS:H	3	0.17
(1,684)	1:60:A:LEU:H	1:61:A:LYS:H	9	0.17
(1,655)	1:58:A:VAL:H	1:113:A:LEU:HD11	7	0.17
(1,655)	1:58:A:VAL:H	1:113:A:LEU:HD12	7	0.17
(1,655)	1:58:A:VAL:H	1:113:A:LEU:HD13	7	0.17
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG21	3	0.17
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG22	3	0.17
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG23	3	0.17
(1,553)	1:50:A:TRP:HB2	1:52:A:LYS:H	3	0.17
(1,541)	1:50:A:TRP:HA	1:51:A:ILE:HB	4	0.17
(1,541)	1:50:A:TRP:HA	1:51:A:ILE:HB	7	0.17
(1,530)	1:49:A:VAL:H	1:152:A:ALA:HA	6	0.17
(1,530)	1:49:A:VAL:H	1:152:A:ALA:HA	10	0.17
(1,496)	1:48:A:ILE:HG21	1:50:A:TRP:HH2	6	0.17
(1,496)	1:48:A:ILE:HG22	1:50:A:TRP:HH2	6	0.17
(1,496)	1:48:A:ILE:HG23	1:50:A:TRP:HH2	6	0.17
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG21	9	0.17
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG22	9	0.17
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG23	9	0.17
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE1	3	0.17
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE2	3	0.17
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD11	7	0.17
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD12	7	0.17
(1,232)	1:32:A:ILE:HG21	1:32:A:ILE:HD13	7	0.17
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD11	7	0.17
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD12	7	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:32:A:ILE:HG22	1:32:A:ILE:HD13	7	0.17
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD11	7	0.17
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD12	7	0.17
(1,232)	1:32:A:ILE:HG23	1:32:A:ILE:HD13	7	0.17
(1,230)	1:32:A:ILE:HG12	1:32:A:ILE:H	5	0.17
(1,190)	1:31:A:SER:HA	1:32:A:ILE:HD11	8	0.17
(1,190)	1:31:A:SER:HA	1:32:A:ILE:HD12	8	0.17
(1,190)	1:31:A:SER:HA	1:32:A:ILE:HD13	8	0.17
(1,166)	1:29:A:LEU:HD11	1:175:A:PHE:H	4	0.17
(1,166)	1:29:A:LEU:HD12	1:175:A:PHE:H	4	0.17
(1,166)	1:29:A:LEU:HD13	1:175:A:PHE:H	4	0.17
(1,51)	1:24:A:ASP:HB2	1:25:A:VAL:H	2	0.17
(1,51)	1:24:A:ASP:HB2	1:25:A:VAL:H	10	0.17
(1,46)	1:24:A:ASP:HB3	1:50:A:TRP:HB3	10	0.17
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG21	3	0.17
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG22	3	0.17
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG23	3	0.17
(3,4)	1:57:A:ASP:HA	1:114:A:ASP:HA	3	0.16
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD11	9	0.16
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD12	9	0.16
(2,765)	1:169:A:ASP:H	1:171:A:LEU:HD13	9	0.16
(2,761)	1:168:A:PHE:H	1:169:A:ASP:H	10	0.16
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD21	4	0.16
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD22	4	0.16
(2,756)	1:167:A:LEU:H	1:167:A:LEU:HD23	4	0.16
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD11	3	0.16
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD12	3	0.16
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD13	3	0.16
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD11	5	0.16
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD12	5	0.16
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD13	5	0.16
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD11	6	0.16
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD12	6	0.16
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD13	6	0.16
(2,754)	1:167:A:LEU:HD21	1:167:A:LEU:H	4	0.16
(2,754)	1:167:A:LEU:HD22	1:167:A:LEU:H	4	0.16
(2,754)	1:167:A:LEU:HD23	1:167:A:LEU:H	4	0.16
(2,753)	1:167:A:LEU:HD11	1:167:A:LEU:H	3	0.16
(2,753)	1:167:A:LEU:HD12	1:167:A:LEU:H	3	0.16
(2,753)	1:167:A:LEU:HD13	1:167:A:LEU:H	3	0.16
(2,753)	1:167:A:LEU:HD11	1:167:A:LEU:H	5	0.16
(2,753)	1:167:A:LEU:HD12	1:167:A:LEU:H	5	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,753)	1:167:A:LEU:HD13	1:167:A:LEU:H	5	0.16
(2,753)	1:167:A:LEU:HD11	1:167:A:LEU:H	6	0.16
(2,753)	1:167:A:LEU:HD12	1:167:A:LEU:H	6	0.16
(2,753)	1:167:A:LEU:HD13	1:167:A:LEU:H	6	0.16
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD1	5	0.16
(2,733)	1:157:A:LYS:HE2	1:159:A:PHE:HD2	5	0.16
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD1	5	0.16
(2,733)	1:157:A:LYS:HE3	1:159:A:PHE:HD2	5	0.16
(1,2316)	1:171:A:LEU:HA	1:172:A:PRO:HD3	10	0.16
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD21	2	0.16
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD22	2	0.16
(1,2304)	1:170:A:SER:HA	1:171:A:LEU:HD23	2	0.16
(1,2287)	1:168:A:PHE:HD1	1:169:A:ASP:H	1	0.16
(1,2287)	1:168:A:PHE:HD2	1:169:A:ASP:H	1	0.16
(1,2270)	1:166:A:MET:HA	1:167:A:LEU:H	3	0.16
(1,2270)	1:166:A:MET:HA	1:167:A:LEU:H	5	0.16
(1,2260)	1:163:A:LYS:H	1:168:A:PHE:HZ	6	0.16
(1,2207)	1:159:A:PHE:HB2	1:159:A:PHE:H	4	0.16
(1,2207)	1:159:A:PHE:HB2	1:159:A:PHE:H	5	0.16
(1,2207)	1:159:A:PHE:HB2	1:159:A:PHE:H	7	0.16
(1,2139)	1:155:A:ASN:H	1:156:A:PHE:HZ	2	0.16
(1,2139)	1:155:A:ASN:H	1:156:A:PHE:HZ	7	0.16
(1,2139)	1:155:A:ASN:H	1:156:A:PHE:HZ	9	0.16
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD21	10	0.16
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD22	10	0.16
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD21	10	0.16
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD22	10	0.16
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD21	10	0.16
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD22	10	0.16
(1,2079)	1:151:A:VAL:HG11	1:151:A:VAL:H	3	0.16
(1,2079)	1:151:A:VAL:HG12	1:151:A:VAL:H	3	0.16
(1,2079)	1:151:A:VAL:HG13	1:151:A:VAL:H	3	0.16
(1,2079)	1:151:A:VAL:HG11	1:151:A:VAL:H	4	0.16
(1,2079)	1:151:A:VAL:HG12	1:151:A:VAL:H	4	0.16
(1,2079)	1:151:A:VAL:HG13	1:151:A:VAL:H	4	0.16
(1,2079)	1:151:A:VAL:HG11	1:151:A:VAL:H	5	0.16
(1,2079)	1:151:A:VAL:HG12	1:151:A:VAL:H	5	0.16
(1,2079)	1:151:A:VAL:HG13	1:151:A:VAL:H	5	0.16
(1,2079)	1:151:A:VAL:HG11	1:151:A:VAL:H	9	0.16
(1,2079)	1:151:A:VAL:HG12	1:151:A:VAL:H	9	0.16
(1,2079)	1:151:A:VAL:HG13	1:151:A:VAL:H	9	0.16
(1,1894)	1:134:A:TRP:HB3	1:142:A:ILE:HA	8	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1774)	1:121:A:LEU:HB3	1:121:A:LEU:H	10	0.16
(1,1648)	1:112:A:VAL:HG21	1:112:A:VAL:H	6	0.16
(1,1648)	1:112:A:VAL:HG22	1:112:A:VAL:H	6	0.16
(1,1648)	1:112:A:VAL:HG23	1:112:A:VAL:H	6	0.16
(1,1603)	1:107:A:PRO:HB3	1:108:A:SER:HA	7	0.16
(1,1532)	1:102:A:ILE:HB	1:102:A:ILE:H	5	0.16
(1,1532)	1:102:A:ILE:HB	1:102:A:ILE:H	6	0.16
(1,1505)	1:98:A:THR:HA	1:100:A:ALA:H	4	0.16
(1,1425)	1:88:A:ASN:HD21	1:88:A:ASN:HD22	7	0.16
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG21	5	0.16
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG22	5	0.16
(1,1383)	1:87:A:THR:HB	1:87:A:THR:HG23	5	0.16
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG21	10	0.16
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG22	10	0.16
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG23	10	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG21	1	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG22	1	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG23	1	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG21	3	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG22	3	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG23	3	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG21	5	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG22	5	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG23	5	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG21	6	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG22	6	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG23	6	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG21	7	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG22	7	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG23	7	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG21	8	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG22	8	0.16
(1,1261)	1:82:A:THR:HB	1:82:A:THR:HG23	8	0.16
(1,1232)	1:81:A:ILE:HG21	1:99:A:LYS:H	1	0.16
(1,1232)	1:81:A:ILE:HG22	1:99:A:LYS:H	1	0.16
(1,1232)	1:81:A:ILE:HG23	1:99:A:LYS:H	1	0.16
(1,1216)	1:81:A:ILE:HD11	1:100:A:ALA:H	6	0.16
(1,1216)	1:81:A:ILE:HD12	1:100:A:ALA:H	6	0.16
(1,1216)	1:81:A:ILE:HD13	1:100:A:ALA:H	6	0.16
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD11	4	0.16
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD12	4	0.16
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD13	4	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD11	4	0.16
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD12	4	0.16
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD13	4	0.16
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD11	4	0.16
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD12	4	0.16
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD13	4	0.16
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD11	8	0.16
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD12	8	0.16
(1,1089)	1:77:A:LEU:HD11	1:79:A:ILE:HD13	8	0.16
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD11	8	0.16
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD12	8	0.16
(1,1089)	1:77:A:LEU:HD12	1:79:A:ILE:HD13	8	0.16
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD11	8	0.16
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD12	8	0.16
(1,1089)	1:77:A:LEU:HD13	1:79:A:ILE:HD13	8	0.16
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD11	8	0.16
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD12	8	0.16
(1,1089)	1:77:A:LEU:HD21	1:79:A:ILE:HD13	8	0.16
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD11	8	0.16
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD12	8	0.16
(1,1089)	1:77:A:LEU:HD22	1:79:A:ILE:HD13	8	0.16
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD11	8	0.16
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD12	8	0.16
(1,1089)	1:77:A:LEU:HD23	1:79:A:ILE:HD13	8	0.16
(1,1075)	1:76:A:TYR:H	1:162:A:ALA:HA	5	0.16
(1,922)	1:70:A:LEU:HD11	1:70:A:LEU:H	9	0.16
(1,922)	1:70:A:LEU:HD12	1:70:A:LEU:H	9	0.16
(1,922)	1:70:A:LEU:HD13	1:70:A:LEU:H	9	0.16
(1,914)	1:69:A:GLN:HG3	1:69:A:GLN:H	3	0.16
(1,914)	1:69:A:GLN:HG3	1:69:A:GLN:H	5	0.16
(1,908)	1:69:A:GLN:HB3	1:70:A:LEU:H	6	0.16
(1,857)	1:66:A:ASN:HD22	1:174:A:ILE:H	1	0.16
(1,857)	1:66:A:ASN:HD22	1:174:A:ILE:H	2	0.16
(1,845)	1:66:A:ASN:HD21	1:173:A:VAL:HA	3	0.16
(1,845)	1:66:A:ASN:HD21	1:173:A:VAL:HA	10	0.16
(1,762)	1:63:A:THR:H	1:175:A:PHE:HD1	6	0.16
(1,762)	1:63:A:THR:H	1:175:A:PHE:HD2	6	0.16
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG21	1	0.16
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG22	1	0.16
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG23	1	0.16
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG21	2	0.16
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG22	2	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG23	2	0.16
(1,684)	1:60:A:LEU:H	1:61:A:LYS:H	10	0.16
(1,632)	1:56:A:ASN:HD21	1:56:A:ASN:HD22	1	0.16
(1,632)	1:56:A:ASN:HD21	1:56:A:ASN:HD22	2	0.16
(1,632)	1:56:A:ASN:HD21	1:56:A:ASN:HD22	4	0.16
(1,632)	1:56:A:ASN:HD21	1:56:A:ASN:HD22	6	0.16
(1,632)	1:56:A:ASN:HD21	1:56:A:ASN:HD22	7	0.16
(1,632)	1:56:A:ASN:HD21	1:56:A:ASN:HD22	10	0.16
(1,627)	1:56:A:ASN:HB2	1:56:A:ASN:HD21	6	0.16
(1,627)	1:56:A:ASN:HB3	1:56:A:ASN:HD21	6	0.16
(1,623)	1:55:A:VAL:H	1:115:A:LYS:HA	5	0.16
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG21	9	0.16
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG22	9	0.16
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG23	9	0.16
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG21	10	0.16
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG22	10	0.16
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG23	10	0.16
(1,554)	1:50:A:TRP:HD1	1:50:A:TRP:H	2	0.16
(1,554)	1:50:A:TRP:HD1	1:50:A:TRP:H	8	0.16
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG21	5	0.16
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG22	5	0.16
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG23	5	0.16
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG21	10	0.16
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG22	10	0.16
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG23	10	0.16
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE1	8	0.16
(1,467)	1:47:A:ALA:H	1:156:A:PHE:HE2	8	0.16
(1,455)	1:47:A:ALA:HB1	1:48:A:ILE:H	5	0.16
(1,455)	1:47:A:ALA:HB2	1:48:A:ILE:H	5	0.16
(1,455)	1:47:A:ALA:HB3	1:48:A:ILE:H	5	0.16
(1,455)	1:47:A:ALA:HB1	1:48:A:ILE:H	8	0.16
(1,455)	1:47:A:ALA:HB2	1:48:A:ILE:H	8	0.16
(1,455)	1:47:A:ALA:HB3	1:48:A:ILE:H	8	0.16
(1,426)	1:46:A:TYR:HA	1:156:A:PHE:HA	4	0.16
(1,389)	1:44:A:ILE:HG21	1:44:A:ILE:H	3	0.16
(1,389)	1:44:A:ILE:HG22	1:44:A:ILE:H	3	0.16
(1,389)	1:44:A:ILE:HG23	1:44:A:ILE:H	3	0.16
(1,389)	1:44:A:ILE:HG21	1:44:A:ILE:H	9	0.16
(1,389)	1:44:A:ILE:HG22	1:44:A:ILE:H	9	0.16
(1,389)	1:44:A:ILE:HG23	1:44:A:ILE:H	9	0.16
(1,339)	1:41:A:SER:HB2	1:159:A:PHE:HD1	5	0.16
(1,339)	1:41:A:SER:HB2	1:159:A:PHE:HD2	5	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:38:A:ALA:HA	1:39:A:GLN:H	10	0.16
(1,268)	1:34:A:PRO:HD3	1:35:A:ALA:H	5	0.16
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG21	4	0.16
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG22	4	0.16
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG23	4	0.16
(1,92)	1:25:A:VAL:H	1:50:A:TRP:HE1	2	0.16
(1,92)	1:25:A:VAL:H	1:50:A:TRP:HE1	9	0.16
(1,51)	1:24:A:ASP:HB2	1:25:A:VAL:H	1	0.16
(3,13)	1:181:A:GLN:HA	1:181:A:GLN:HB2	7	0.15
(3,4)	1:57:A:ASP:HA	1:114:A:ASP:HA	1	0.15
(3,4)	1:57:A:ASP:HA	1:114:A:ASP:HA	8	0.15
(3,2)	1:33:A:THR:HA	1:34:A:PRO:HD3	4	0.15
(2,770)	1:174:A:ILE:HG21	1:176:A:ASN:HA	8	0.15
(2,770)	1:174:A:ILE:HG22	1:176:A:ASN:HA	8	0.15
(2,770)	1:174:A:ILE:HG23	1:176:A:ASN:HA	8	0.15
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD11	9	0.15
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD12	9	0.15
(2,755)	1:167:A:LEU:H	1:167:A:LEU:HD13	9	0.15
(2,753)	1:167:A:LEU:HD11	1:167:A:LEU:H	9	0.15
(2,753)	1:167:A:LEU:HD12	1:167:A:LEU:H	9	0.15
(2,753)	1:167:A:LEU:HD13	1:167:A:LEU:H	9	0.15
(2,744)	1:163:A:LYS:HG3	1:166:A:MET:H	9	0.15
(2,628)	1:122:A:TYR:HB3	1:123:A:PRO:HD2	5	0.15
(2,534)	1:85:A:TYR:HE1	1:151:A:VAL:H	4	0.15
(2,534)	1:85:A:TYR:HE2	1:151:A:VAL:H	4	0.15
(1,2370)	1:174:A:ILE:HG21	1:175:A:PHE:HA	2	0.15
(1,2370)	1:174:A:ILE:HG22	1:175:A:PHE:HA	2	0.15
(1,2370)	1:174:A:ILE:HG23	1:175:A:PHE:HA	2	0.15
(1,2349)	1:173:A:VAL:HB	1:174:A:ILE:H	3	0.15
(1,2299)	1:169:A:ASP:H	1:170:A:SER:H	8	0.15
(1,2270)	1:166:A:MET:HA	1:167:A:LEU:H	4	0.15
(1,2270)	1:166:A:MET:HA	1:167:A:LEU:H	7	0.15
(1,2270)	1:166:A:MET:HA	1:167:A:LEU:H	8	0.15
(1,2258)	1:163:A:LYS:HG2	1:163:A:LYS:H	10	0.15
(1,2139)	1:155:A:ASN:H	1:156:A:PHE:HZ	6	0.15
(1,2013)	1:142:A:ILE:HG21	1:143:A:ILE:H	7	0.15
(1,2013)	1:142:A:ILE:HG22	1:143:A:ILE:H	7	0.15
(1,2013)	1:142:A:ILE:HG23	1:143:A:ILE:H	7	0.15
(1,1894)	1:134:A:TRP:HB3	1:142:A:ILE:HA	4	0.15
(1,1894)	1:134:A:TRP:HB3	1:142:A:ILE:HA	5	0.15
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG21	5	0.15
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG22	5	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG23	5	0.15
(1,1787)	1:123:A:PRO:HD2	1:124:A:ASP:H	4	0.15
(1,1778)	1:121:A:LEU:HG	1:121:A:LEU:H	1	0.15
(1,1747)	1:118:A:ILE:HD11	1:118:A:ILE:H	5	0.15
(1,1747)	1:118:A:ILE:HD12	1:118:A:ILE:H	5	0.15
(1,1747)	1:118:A:ILE:HD13	1:118:A:ILE:H	5	0.15
(1,1677)	1:114:A:ASP:HA	1:118:A:ILE:H	6	0.15
(1,1677)	1:114:A:ASP:HA	1:118:A:ILE:H	7	0.15
(1,1639)	1:111:A:ILE:HG21	1:111:A:ILE:H	8	0.15
(1,1639)	1:111:A:ILE:HG22	1:111:A:ILE:H	8	0.15
(1,1639)	1:111:A:ILE:HG23	1:111:A:ILE:H	8	0.15
(1,1572)	1:104:A:LEU:HD11	1:104:A:LEU:H	7	0.15
(1,1572)	1:104:A:LEU:HD12	1:104:A:LEU:H	7	0.15
(1,1572)	1:104:A:LEU:HD13	1:104:A:LEU:H	7	0.15
(1,1534)	1:102:A:ILE:HB	1:103:A:SER:H	4	0.15
(1,1510)	1:98:A:THR:HG21	1:100:A:ALA:H	3	0.15
(1,1510)	1:98:A:THR:HG22	1:100:A:ALA:H	3	0.15
(1,1510)	1:98:A:THR:HG23	1:100:A:ALA:H	3	0.15
(1,1505)	1:98:A:THR:HA	1:100:A:ALA:H	8	0.15
(1,1460)	1:92:A:LEU:HG	1:93:A:GLY:H	4	0.15
(1,1425)	1:88:A:ASN:HD21	1:88:A:ASN:HD22	1	0.15
(1,1425)	1:88:A:ASN:HD21	1:88:A:ASN:HD22	2	0.15
(1,1425)	1:88:A:ASN:HD21	1:88:A:ASN:HD22	3	0.15
(1,1425)	1:88:A:ASN:HD21	1:88:A:ASN:HD22	4	0.15
(1,1425)	1:88:A:ASN:HD21	1:88:A:ASN:HD22	5	0.15
(1,1425)	1:88:A:ASN:HD21	1:88:A:ASN:HD22	6	0.15
(1,1425)	1:88:A:ASN:HD21	1:88:A:ASN:HD22	8	0.15
(1,1425)	1:88:A:ASN:HD21	1:88:A:ASN:HD22	9	0.15
(1,1425)	1:88:A:ASN:HD21	1:88:A:ASN:HD22	10	0.15
(1,1402)	1:87:A:THR:HG21	1:89:A:SER:H	2	0.15
(1,1402)	1:87:A:THR:HG22	1:89:A:SER:H	2	0.15
(1,1402)	1:87:A:THR:HG23	1:89:A:SER:H	2	0.15
(1,1363)	1:86:A:GLU:HG3	1:86:A:GLU:H	1	0.15
(1,1363)	1:86:A:GLU:HG3	1:86:A:GLU:H	8	0.15
(1,1343)	1:85:A:TYR:HE1	1:152:A:ALA:HA	6	0.15
(1,1343)	1:85:A:TYR:HE2	1:152:A:ALA:HA	6	0.15
(1,1338)	1:85:A:TYR:HD1	1:86:A:GLU:H	7	0.15
(1,1338)	1:85:A:TYR:HD2	1:86:A:GLU:H	7	0.15
(1,1314)	1:83:A:SER:H	1:99:A:LYS:HE2	4	0.15
(1,1233)	1:81:A:ILE:HG21	1:100:A:ALA:HB1	1	0.15
(1,1233)	1:81:A:ILE:HG21	1:100:A:ALA:HB2	1	0.15
(1,1233)	1:81:A:ILE:HG21	1:100:A:ALA:HB3	1	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1233)	1:81:A:ILE:HG22	1:100:A:ALA:HB1	1	0.15
(1,1233)	1:81:A:ILE:HG22	1:100:A:ALA:HB2	1	0.15
(1,1233)	1:81:A:ILE:HG22	1:100:A:ALA:HB3	1	0.15
(1,1233)	1:81:A:ILE:HG23	1:100:A:ALA:HB1	1	0.15
(1,1233)	1:81:A:ILE:HG23	1:100:A:ALA:HB2	1	0.15
(1,1233)	1:81:A:ILE:HG23	1:100:A:ALA:HB3	1	0.15
(1,1207)	1:81:A:ILE:HA	1:82:A:THR:H	2	0.15
(1,1128)	1:78:A:GLN:H	1:158:A:ALA:HA	3	0.15
(1,1128)	1:78:A:GLN:H	1:158:A:ALA:HA	7	0.15
(1,1127)	1:78:A:GLN:H	1:104:A:LEU:H	9	0.15
(1,1100)	1:77:A:LEU:HG	1:78:A:GLN:H	4	0.15
(1,1097)	1:77:A:LEU:HD11	1:160:A:TYR:HB3	4	0.15
(1,1097)	1:77:A:LEU:HD12	1:160:A:TYR:HB3	4	0.15
(1,1097)	1:77:A:LEU:HD13	1:160:A:TYR:HB3	4	0.15
(1,1097)	1:77:A:LEU:HD21	1:160:A:TYR:HB3	4	0.15
(1,1097)	1:77:A:LEU:HD22	1:160:A:TYR:HB3	4	0.15
(1,1097)	1:77:A:LEU:HD23	1:160:A:TYR:HB3	4	0.15
(1,1006)	1:74:A:PHE:HA	1:163:A:LYS:H	1	0.15
(1,1006)	1:74:A:PHE:HA	1:163:A:LYS:H	4	0.15
(1,1006)	1:74:A:PHE:HA	1:163:A:LYS:H	10	0.15
(1,989)	1:73:A:TYR:HD1	1:74:A:PHE:HE1	3	0.15
(1,989)	1:73:A:TYR:HD1	1:74:A:PHE:HE2	3	0.15
(1,989)	1:73:A:TYR:HD2	1:74:A:PHE:HE1	3	0.15
(1,989)	1:73:A:TYR:HD2	1:74:A:PHE:HE2	3	0.15
(1,922)	1:70:A:LEU:HD11	1:70:A:LEU:H	1	0.15
(1,922)	1:70:A:LEU:HD12	1:70:A:LEU:H	1	0.15
(1,922)	1:70:A:LEU:HD13	1:70:A:LEU:H	1	0.15
(1,912)	1:69:A:GLN:HG3	1:69:A:GLN:HE21	10	0.15
(1,909)	1:69:A:GLN:HB2	1:70:A:LEU:H	8	0.15
(1,899)	1:69:A:GLN:HA	1:69:A:GLN:HE22	9	0.15
(1,894)	1:68:A:GLU:H	1:69:A:GLN:H	3	0.15
(1,894)	1:68:A:GLU:H	1:69:A:GLN:H	5	0.15
(1,856)	1:66:A:ASN:HD22	1:173:A:VAL:HA	9	0.15
(1,854)	1:66:A:ASN:HD22	1:172:A:PRO:HD3	10	0.15
(1,831)	1:66:A:ASN:HA	1:174:A:ILE:HB	3	0.15
(1,831)	1:66:A:ASN:HA	1:174:A:ILE:HB	8	0.15
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG21	9	0.15
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG22	9	0.15
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG23	9	0.15
(1,651)	1:58:A:VAL:HG11	1:59:A:LYS:H	7	0.15
(1,651)	1:58:A:VAL:HG12	1:59:A:LYS:H	7	0.15
(1,651)	1:58:A:VAL:HG13	1:59:A:LYS:H	7	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:58:A:VAL:HG21	1:59:A:LYS:H	7	0.15
(1,651)	1:58:A:VAL:HG22	1:59:A:LYS:H	7	0.15
(1,651)	1:58:A:VAL:HG23	1:59:A:LYS:H	7	0.15
(1,633)	1:56:A:ASN:HD22	1:57:A:ASP:H	6	0.15
(1,632)	1:56:A:ASN:HD21	1:56:A:ASN:HD22	3	0.15
(1,632)	1:56:A:ASN:HD21	1:56:A:ASN:HD22	5	0.15
(1,632)	1:56:A:ASN:HD21	1:56:A:ASN:HD22	8	0.15
(1,632)	1:56:A:ASN:HD21	1:56:A:ASN:HD22	9	0.15
(1,623)	1:55:A:VAL:H	1:115:A:LYS:HA	2	0.15
(1,623)	1:55:A:VAL:H	1:115:A:LYS:HA	8	0.15
(1,579)	1:51:A:ILE:HG21	1:53:A:ASP:HB2	3	0.15
(1,579)	1:51:A:ILE:HG21	1:53:A:ASP:HB3	3	0.15
(1,579)	1:51:A:ILE:HG22	1:53:A:ASP:HB2	3	0.15
(1,579)	1:51:A:ILE:HG22	1:53:A:ASP:HB3	3	0.15
(1,579)	1:51:A:ILE:HG23	1:53:A:ASP:HB2	3	0.15
(1,579)	1:51:A:ILE:HG23	1:53:A:ASP:HB3	3	0.15
(1,573)	1:51:A:ILE:HD11	1:55:A:VAL:H	10	0.15
(1,573)	1:51:A:ILE:HD12	1:55:A:VAL:H	10	0.15
(1,573)	1:51:A:ILE:HD13	1:55:A:VAL:H	10	0.15
(1,561)	1:50:A:TRP:HE3	1:151:A:VAL:HG21	6	0.15
(1,561)	1:50:A:TRP:HE3	1:151:A:VAL:HG22	6	0.15
(1,561)	1:50:A:TRP:HE3	1:151:A:VAL:HG23	6	0.15
(1,553)	1:50:A:TRP:HB2	1:52:A:LYS:H	7	0.15
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG11	10	0.15
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG12	10	0.15
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG13	10	0.15
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG21	6	0.15
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG22	6	0.15
(1,470)	1:48:A:ILE:HA	1:48:A:ILE:HG23	6	0.15
(1,292)	1:37:A:GLY:HA2	1:37:A:GLY:H	8	0.15
(1,268)	1:34:A:PRO:HD3	1:35:A:ALA:H	10	0.15
(1,241)	1:32:A:ILE:HG21	1:160:A:TYR:HD1	1	0.15
(1,241)	1:32:A:ILE:HG21	1:160:A:TYR:HD2	1	0.15
(1,241)	1:32:A:ILE:HG22	1:160:A:TYR:HD1	1	0.15
(1,241)	1:32:A:ILE:HG22	1:160:A:TYR:HD2	1	0.15
(1,241)	1:32:A:ILE:HG23	1:160:A:TYR:HD1	1	0.15
(1,241)	1:32:A:ILE:HG23	1:160:A:TYR:HD2	1	0.15
(1,230)	1:32:A:ILE:HG12	1:32:A:ILE:H	8	0.15
(1,227)	1:32:A:ILE:HG13	1:33:A:THR:H	1	0.15
(1,227)	1:32:A:ILE:HG13	1:33:A:THR:H	9	0.15
(1,208)	1:32:A:ILE:HA	1:32:A:ILE:HG12	10	0.15
(1,100)	1:26:A:GLU:HB2	1:50:A:TRP:HE1	10	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:24:A:ASP:HB2	1:50:A:TRP:HB2	6	0.15
(1,51)	1:24:A:ASP:HB2	1:25:A:VAL:H	3	0.15
(3,12)	1:181:A:GLN:HA	1:181:A:GLN:HB3	5	0.14
(2,628)	1:122:A:TYR:HB3	1:123:A:PRO:HD2	7	0.14
(2,628)	1:122:A:TYR:HB3	1:123:A:PRO:HD2	10	0.14
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG2	4	0.14
(2,607)	1:115:A:LYS:H	1:116:A:GLU:HG3	4	0.14
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE1	2	0.14
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE2	2	0.14
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE1	2	0.14
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE2	2	0.14
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD1	1	0.14
(2,517)	1:84:A:GLY:HA2	1:85:A:TYR:HD2	1	0.14
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD1	1	0.14
(2,517)	1:84:A:GLY:HA3	1:85:A:TYR:HD2	1	0.14
(2,510)	1:83:A:SER:HB3	1:154:A:LEU:HA	2	0.14
(2,298)	1:54:A:GLN:HB3	1:54:A:GLN:HE21	8	0.14
(2,206)	1:39:A:GLN:HB2	1:39:A:GLN:HE21	1	0.14
(2,206)	1:39:A:GLN:HB2	1:39:A:GLN:HE21	6	0.14
(2,206)	1:39:A:GLN:HB2	1:39:A:GLN:HE21	7	0.14
(2,205)	1:39:A:GLN:HB3	1:39:A:GLN:HE21	3	0.14
(2,205)	1:39:A:GLN:HB3	1:39:A:GLN:HE21	4	0.14
(2,205)	1:39:A:GLN:HB3	1:39:A:GLN:HE21	5	0.14
(2,205)	1:39:A:GLN:HB3	1:39:A:GLN:HE21	8	0.14
(2,205)	1:39:A:GLN:HB3	1:39:A:GLN:HE21	9	0.14
(2,178)	1:36:A:ALA:H	1:37:A:GLY:H	2	0.14
(2,12)	1:17:A:GLN:HB2	1:17:A:GLN:HE21	5	0.14
(2,12)	1:17:A:GLN:HB2	1:17:A:GLN:HE21	7	0.14
(2,11)	1:17:A:GLN:HB3	1:17:A:GLN:HE21	8	0.14
(1,2371)	1:174:A:ILE:HG21	1:175:A:PHE:H	4	0.14
(1,2371)	1:174:A:ILE:HG22	1:175:A:PHE:H	4	0.14
(1,2371)	1:174:A:ILE:HG23	1:175:A:PHE:H	4	0.14
(1,2370)	1:174:A:ILE:HG21	1:175:A:PHE:HA	1	0.14
(1,2370)	1:174:A:ILE:HG22	1:175:A:PHE:HA	1	0.14
(1,2370)	1:174:A:ILE:HG23	1:175:A:PHE:HA	1	0.14
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE1	8	0.14
(1,2354)	1:173:A:VAL:HG11	1:175:A:PHE:HE2	8	0.14
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE1	8	0.14
(1,2354)	1:173:A:VAL:HG12	1:175:A:PHE:HE2	8	0.14
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE1	8	0.14
(1,2354)	1:173:A:VAL:HG13	1:175:A:PHE:HE2	8	0.14
(1,2342)	1:173:A:VAL:HA	1:173:A:VAL:HG11	6	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2342)	1:173:A:VAL:HA	1:173:A:VAL:HG12	6	0.14
(1,2342)	1:173:A:VAL:HA	1:173:A:VAL:HG13	6	0.14
(1,2299)	1:169:A:ASP:H	1:170:A:SER:H	10	0.14
(1,2283)	1:168:A:PHE:HB2	1:168:A:PHE:H	2	0.14
(1,2260)	1:163:A:LYS:H	1:168:A:PHE:HZ	2	0.14
(1,2258)	1:163:A:LYS:HG2	1:163:A:LYS:H	5	0.14
(1,2258)	1:163:A:LYS:HG2	1:163:A:LYS:H	8	0.14
(1,2190)	1:158:A:ALA:HB1	1:160:A:TYR:HD1	2	0.14
(1,2190)	1:158:A:ALA:HB1	1:160:A:TYR:HD2	2	0.14
(1,2190)	1:158:A:ALA:HB2	1:160:A:TYR:HD1	2	0.14
(1,2190)	1:158:A:ALA:HB2	1:160:A:TYR:HD2	2	0.14
(1,2190)	1:158:A:ALA:HB3	1:160:A:TYR:HD1	2	0.14
(1,2190)	1:158:A:ALA:HB3	1:160:A:TYR:HD2	2	0.14
(1,2139)	1:155:A:ASN:H	1:156:A:PHE:HZ	5	0.14
(1,2089)	1:152:A:ALA:HB1	1:152:A:ALA:H	6	0.14
(1,2089)	1:152:A:ALA:HB2	1:152:A:ALA:H	6	0.14
(1,2089)	1:152:A:ALA:HB3	1:152:A:ALA:H	6	0.14
(1,2069)	1:148:A:THR:HG21	1:148:A:THR:H	5	0.14
(1,2069)	1:148:A:THR:HG22	1:148:A:THR:H	5	0.14
(1,2069)	1:148:A:THR:HG23	1:148:A:THR:H	5	0.14
(1,2013)	1:142:A:ILE:HG21	1:143:A:ILE:H	6	0.14
(1,2013)	1:142:A:ILE:HG22	1:143:A:ILE:H	6	0.14
(1,2013)	1:142:A:ILE:HG23	1:143:A:ILE:H	6	0.14
(1,1894)	1:134:A:TRP:HB3	1:142:A:ILE:HA	7	0.14
(1,1892)	1:134:A:TRP:HB3	1:135:A:VAL:H	1	0.14
(1,1847)	1:132:A:SER:H	1:134:A:TRP:HH2	8	0.14
(1,1834)	1:132:A:SER:HA	1:145:A:TYR:HB3	5	0.14
(1,1793)	1:128:A:TYR:HA	1:128:A:TYR:HB3	6	0.14
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG21	3	0.14
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG22	3	0.14
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG23	3	0.14
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG21	7	0.14
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG22	7	0.14
(1,1790)	1:126:A:THR:HA	1:126:A:THR:HG23	7	0.14
(1,1775)	1:121:A:LEU:HB2	1:121:A:LEU:H	8	0.14
(1,1774)	1:121:A:LEU:HB3	1:121:A:LEU:H	5	0.14
(1,1640)	1:111:A:ILE:HG21	1:112:A:VAL:H	5	0.14
(1,1640)	1:111:A:ILE:HG22	1:112:A:VAL:H	5	0.14
(1,1640)	1:111:A:ILE:HG23	1:112:A:VAL:H	5	0.14
(1,1510)	1:98:A:THR:HG21	1:100:A:ALA:H	6	0.14
(1,1510)	1:98:A:THR:HG22	1:100:A:ALA:H	6	0.14
(1,1510)	1:98:A:THR:HG23	1:100:A:ALA:H	6	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1443)	1:89:A:SER:H	1:134:A:TRP:HH2	5	0.14
(1,1419)	1:88:A:ASN:HB3	1:88:A:ASN:HD21	5	0.14
(1,1399)	1:87:A:THR:HG21	1:87:A:THR:H	4	0.14
(1,1399)	1:87:A:THR:HG22	1:87:A:THR:H	4	0.14
(1,1399)	1:87:A:THR:HG23	1:87:A:THR:H	4	0.14
(1,1380)	1:87:A:THR:HA	1:134:A:TRP:HH2	2	0.14
(1,1343)	1:85:A:TYR:HE1	1:152:A:ALA:HA	10	0.14
(1,1343)	1:85:A:TYR:HE2	1:152:A:ALA:HA	10	0.14
(1,1335)	1:85:A:TYR:HB2	1:86:A:GLU:H	2	0.14
(1,1335)	1:85:A:TYR:HB2	1:86:A:GLU:H	4	0.14
(1,1273)	1:82:A:THR:HG21	1:96:A:SER:HA	7	0.14
(1,1273)	1:82:A:THR:HG22	1:96:A:SER:HA	7	0.14
(1,1273)	1:82:A:THR:HG23	1:96:A:SER:HA	7	0.14
(1,1273)	1:82:A:THR:HG21	1:96:A:SER:HA	8	0.14
(1,1273)	1:82:A:THR:HG22	1:96:A:SER:HA	8	0.14
(1,1273)	1:82:A:THR:HG23	1:96:A:SER:HA	8	0.14
(1,1272)	1:82:A:THR:HG21	1:96:A:SER:HA	7	0.14
(1,1272)	1:82:A:THR:HG22	1:96:A:SER:HA	7	0.14
(1,1272)	1:82:A:THR:HG23	1:96:A:SER:HA	7	0.14
(1,1272)	1:82:A:THR:HG21	1:96:A:SER:HA	8	0.14
(1,1272)	1:82:A:THR:HG22	1:96:A:SER:HA	8	0.14
(1,1272)	1:82:A:THR:HG23	1:96:A:SER:HA	8	0.14
(1,1250)	1:81:A:ILE:H	1:156:A:PHE:HA	3	0.14
(1,1250)	1:81:A:ILE:H	1:156:A:PHE:HA	6	0.14
(1,1250)	1:81:A:ILE:H	1:156:A:PHE:HA	9	0.14
(1,1207)	1:81:A:ILE:HA	1:82:A:THR:H	3	0.14
(1,1207)	1:81:A:ILE:HA	1:82:A:THR:H	7	0.14
(1,1207)	1:81:A:ILE:HA	1:82:A:THR:H	9	0.14
(1,975)	1:73:A:TYR:HA	1:73:A:TYR:HB3	1	0.14
(1,975)	1:73:A:TYR:HA	1:73:A:TYR:HB3	7	0.14
(1,926)	1:70:A:LEU:HD21	1:70:A:LEU:H	4	0.14
(1,926)	1:70:A:LEU:HD22	1:70:A:LEU:H	4	0.14
(1,926)	1:70:A:LEU:HD23	1:70:A:LEU:H	4	0.14
(1,909)	1:69:A:GLN:HB2	1:70:A:LEU:H	2	0.14
(1,886)	1:68:A:GLU:HA	1:71:A:LYS:HD2	10	0.14
(1,886)	1:68:A:GLU:HA	1:71:A:LYS:HD3	10	0.14
(1,880)	1:68:A:GLU:HA	1:68:A:GLU:HG3	6	0.14
(1,863)	1:66:A:ASN:H	1:175:A:PHE:HA	1	0.14
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD21	6	0.14
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD22	6	0.14
(1,779)	1:64:A:LEU:HD11	1:64:A:LEU:HD23	6	0.14
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD21	6	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD22	6	0.14
(1,779)	1:64:A:LEU:HD12	1:64:A:LEU:HD23	6	0.14
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD21	6	0.14
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD22	6	0.14
(1,779)	1:64:A:LEU:HD13	1:64:A:LEU:HD23	6	0.14
(1,683)	1:60:A:LEU:HG	1:60:A:LEU:H	6	0.14
(1,683)	1:60:A:LEU:HG	1:60:A:LEU:H	9	0.14
(1,597)	1:53:A:ASP:HB2	1:54:A:GLN:H	4	0.14
(1,597)	1:53:A:ASP:HB3	1:54:A:GLN:H	4	0.14
(1,579)	1:51:A:ILE:HG21	1:53:A:ASP:HB2	2	0.14
(1,579)	1:51:A:ILE:HG21	1:53:A:ASP:HB3	2	0.14
(1,579)	1:51:A:ILE:HG22	1:53:A:ASP:HB2	2	0.14
(1,579)	1:51:A:ILE:HG22	1:53:A:ASP:HB3	2	0.14
(1,579)	1:51:A:ILE:HG23	1:53:A:ASP:HB2	2	0.14
(1,579)	1:51:A:ILE:HG23	1:53:A:ASP:HB3	2	0.14
(1,554)	1:50:A:TRP:HD1	1:50:A:TRP:H	7	0.14
(1,529)	1:49:A:VAL:H	1:151:A:VAL:HA	3	0.14
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG11	6	0.14
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG12	6	0.14
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG13	6	0.14
(1,461)	1:47:A:ALA:H	1:153:A:ILE:HG21	5	0.14
(1,461)	1:47:A:ALA:H	1:153:A:ILE:HG22	5	0.14
(1,461)	1:47:A:ALA:H	1:153:A:ILE:HG23	5	0.14
(1,447)	1:46:A:TYR:HE1	1:141:A:LYS:HG3	3	0.14
(1,447)	1:46:A:TYR:HE2	1:141:A:LYS:HG3	3	0.14
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG21	9	0.14
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG22	9	0.14
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG23	9	0.14
(1,426)	1:46:A:TYR:HA	1:156:A:PHE:HA	5	0.14
(1,337)	1:41:A:SER:HB2	1:42:A:ASP:HA	5	0.14
(1,337)	1:41:A:SER:HB2	1:42:A:ASP:HA	9	0.14
(1,268)	1:34:A:PRO:HD3	1:35:A:ALA:H	6	0.14
(1,256)	1:33:A:THR:HA	1:168:A:PHE:HZ	6	0.14
(1,230)	1:32:A:ILE:HG12	1:32:A:ILE:H	4	0.14
(1,230)	1:32:A:ILE:HG12	1:32:A:ILE:H	9	0.14
(1,227)	1:32:A:ILE:HG13	1:33:A:THR:H	8	0.14
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	8	0.14
(1,139)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	8	0.14
(1,92)	1:25:A:VAL:H	1:50:A:TRP:HE1	10	0.14
(1,51)	1:24:A:ASP:HB2	1:25:A:VAL:H	4	0.14
(1,12)	1:21:A:GLU:HA	1:21:A:GLU:HG2	1	0.14
(1,12)	1:21:A:GLU:HA	1:21:A:GLU:HG3	1	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,4)	1:57:A:ASP:HA	1:114:A:ASP:HA	5	0.13
(2,761)	1:168:A:PHE:H	1:169:A:ASP:H	2	0.13
(2,760)	1:168:A:PHE:HE1	1:171:A:LEU:HG	6	0.13
(2,760)	1:168:A:PHE:HE2	1:171:A:LEU:HG	6	0.13
(2,731)	1:155:A:ASN:H	1:156:A:PHE:HD1	4	0.13
(2,731)	1:155:A:ASN:H	1:156:A:PHE:HD2	4	0.13
(2,625)	1:121:A:LEU:H	1:122:A:TYR:HD1	8	0.13
(2,625)	1:121:A:LEU:H	1:122:A:TYR:HD2	8	0.13
(2,574)	1:92:A:LEU:H	1:94:A:ASN:H	7	0.13
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD1	2	0.13
(2,383)	1:70:A:LEU:HA	1:74:A:PHE:HD2	2	0.13
(2,298)	1:54:A:GLN:HB3	1:54:A:GLN:HE21	10	0.13
(1,2313)	1:171:A:LEU:HA	1:171:A:LEU:HD11	7	0.13
(1,2313)	1:171:A:LEU:HA	1:171:A:LEU:HD12	7	0.13
(1,2313)	1:171:A:LEU:HA	1:171:A:LEU:HD13	7	0.13
(1,2271)	1:166:A:MET:HB3	1:167:A:LEU:H	6	0.13
(1,2270)	1:166:A:MET:HA	1:167:A:LEU:H	1	0.13
(1,2270)	1:166:A:MET:HA	1:167:A:LEU:H	6	0.13
(1,2260)	1:163:A:LYS:H	1:168:A:PHE:HZ	8	0.13
(1,2258)	1:163:A:LYS:HG2	1:163:A:LYS:H	3	0.13
(1,2207)	1:159:A:PHE:HB2	1:159:A:PHE:H	2	0.13
(1,2191)	1:158:A:ALA:HB1	1:160:A:TYR:HE1	4	0.13
(1,2191)	1:158:A:ALA:HB1	1:160:A:TYR:HE2	4	0.13
(1,2191)	1:158:A:ALA:HB2	1:160:A:TYR:HE1	4	0.13
(1,2191)	1:158:A:ALA:HB2	1:160:A:TYR:HE2	4	0.13
(1,2191)	1:158:A:ALA:HB3	1:160:A:TYR:HE1	4	0.13
(1,2191)	1:158:A:ALA:HB3	1:160:A:TYR:HE2	4	0.13
(1,2139)	1:155:A:ASN:H	1:156:A:PHE:HZ	3	0.13
(1,2139)	1:155:A:ASN:H	1:156:A:PHE:HZ	4	0.13
(1,2028)	1:143:A:ILE:HD11	1:143:A:ILE:H	9	0.13
(1,2028)	1:143:A:ILE:HD12	1:143:A:ILE:H	9	0.13
(1,2028)	1:143:A:ILE:HD13	1:143:A:ILE:H	9	0.13
(1,2015)	1:142:A:ILE:HG21	1:144:A:VAL:H	1	0.13
(1,2015)	1:142:A:ILE:HG22	1:144:A:VAL:H	1	0.13
(1,2015)	1:142:A:ILE:HG23	1:144:A:VAL:H	1	0.13
(1,2015)	1:142:A:ILE:HG21	1:144:A:VAL:H	10	0.13
(1,2015)	1:142:A:ILE:HG22	1:144:A:VAL:H	10	0.13
(1,2015)	1:142:A:ILE:HG23	1:144:A:VAL:H	10	0.13
(1,2013)	1:142:A:ILE:HG21	1:143:A:ILE:H	1	0.13
(1,2013)	1:142:A:ILE:HG22	1:143:A:ILE:H	1	0.13
(1,2013)	1:142:A:ILE:HG23	1:143:A:ILE:H	1	0.13
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD21	2	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1953)	1:136:A:PRO:HG3	1:155:A:ASN:HD22	2	0.13
(1,1880)	1:134:A:TRP:HA	1:142:A:ILE:HG21	5	0.13
(1,1880)	1:134:A:TRP:HA	1:142:A:ILE:HG22	5	0.13
(1,1880)	1:134:A:TRP:HA	1:142:A:ILE:HG23	5	0.13
(1,1859)	1:133:A:ILE:HD11	1:144:A:VAL:HB	4	0.13
(1,1859)	1:133:A:ILE:HD12	1:144:A:VAL:HB	4	0.13
(1,1859)	1:133:A:ILE:HD13	1:144:A:VAL:HB	4	0.13
(1,1826)	1:132:A:SER:HA	1:133:A:ILE:HB	2	0.13
(1,1826)	1:132:A:SER:HA	1:133:A:ILE:HB	9	0.13
(1,1818)	1:131:A:THR:HG21	1:131:A:THR:H	6	0.13
(1,1818)	1:131:A:THR:HG22	1:131:A:THR:H	6	0.13
(1,1818)	1:131:A:THR:HG23	1:131:A:THR:H	6	0.13
(1,1818)	1:131:A:THR:HG21	1:131:A:THR:H	8	0.13
(1,1818)	1:131:A:THR:HG22	1:131:A:THR:H	8	0.13
(1,1818)	1:131:A:THR:HG23	1:131:A:THR:H	8	0.13
(1,1799)	1:128:A:TYR:HD1	1:128:A:TYR:H	5	0.13
(1,1799)	1:128:A:TYR:HD2	1:128:A:TYR:H	5	0.13
(1,1723)	1:116:A:GLU:HG2	1:116:A:GLU:H	8	0.13
(1,1723)	1:116:A:GLU:HG3	1:116:A:GLU:H	8	0.13
(1,1702)	1:115:A:LYS:HB2	1:116:A:GLU:H	5	0.13
(1,1690)	1:115:A:LYS:HA	1:115:A:LYS:HG2	7	0.13
(1,1690)	1:115:A:LYS:HA	1:115:A:LYS:HG3	7	0.13
(1,1640)	1:111:A:ILE:HG21	1:112:A:VAL:H	10	0.13
(1,1640)	1:111:A:ILE:HG22	1:112:A:VAL:H	10	0.13
(1,1640)	1:111:A:ILE:HG23	1:112:A:VAL:H	10	0.13
(1,1532)	1:102:A:ILE:HB	1:102:A:ILE:H	3	0.13
(1,1505)	1:98:A:THR:HA	1:100:A:ALA:H	1	0.13
(1,1474)	1:95:A:PHE:HB2	1:95:A:PHE:H	7	0.13
(1,1474)	1:95:A:PHE:HB3	1:95:A:PHE:H	7	0.13
(1,1446)	1:90:A:THR:HA	1:93:A:GLY:H	2	0.13
(1,1439)	1:88:A:ASN:H	1:134:A:TRP:HZ3	5	0.13
(1,1380)	1:87:A:THR:HA	1:134:A:TRP:HH2	5	0.13
(1,1379)	1:87:A:THR:HA	1:134:A:TRP:HE3	5	0.13
(1,1379)	1:87:A:THR:HA	1:134:A:TRP:HE3	8	0.13
(1,1371)	1:86:A:GLU:H	1:134:A:TRP:HE1	3	0.13
(1,1371)	1:86:A:GLU:H	1:134:A:TRP:HE1	4	0.13
(1,1371)	1:86:A:GLU:H	1:134:A:TRP:HE1	10	0.13
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG21	1	0.13
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG22	1	0.13
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG23	1	0.13
(1,1363)	1:86:A:GLU:HG3	1:86:A:GLU:H	3	0.13
(1,1363)	1:86:A:GLU:HG3	1:86:A:GLU:H	6	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:85:A:TYR:HE1	1:152:A:ALA:HA	3	0.13
(1,1343)	1:85:A:TYR:HE2	1:152:A:ALA:HA	3	0.13
(1,1333)	1:85:A:TYR:HA	1:86:A:GLU:H	4	0.13
(1,1250)	1:81:A:ILE:H	1:156:A:PHE:HA	4	0.13
(1,1241)	1:81:A:ILE:HG21	1:156:A:PHE:HD1	2	0.13
(1,1241)	1:81:A:ILE:HG21	1:156:A:PHE:HD2	2	0.13
(1,1241)	1:81:A:ILE:HG22	1:156:A:PHE:HD1	2	0.13
(1,1241)	1:81:A:ILE:HG22	1:156:A:PHE:HD2	2	0.13
(1,1241)	1:81:A:ILE:HG23	1:156:A:PHE:HD1	2	0.13
(1,1241)	1:81:A:ILE:HG23	1:156:A:PHE:HD2	2	0.13
(1,1241)	1:81:A:ILE:HG21	1:156:A:PHE:HD1	4	0.13
(1,1241)	1:81:A:ILE:HG21	1:156:A:PHE:HD2	4	0.13
(1,1241)	1:81:A:ILE:HG22	1:156:A:PHE:HD1	4	0.13
(1,1241)	1:81:A:ILE:HG22	1:156:A:PHE:HD2	4	0.13
(1,1241)	1:81:A:ILE:HG23	1:156:A:PHE:HD1	4	0.13
(1,1241)	1:81:A:ILE:HG23	1:156:A:PHE:HD2	4	0.13
(1,1216)	1:81:A:ILE:HD11	1:100:A:ALA:H	8	0.13
(1,1216)	1:81:A:ILE:HD12	1:100:A:ALA:H	8	0.13
(1,1216)	1:81:A:ILE:HD13	1:100:A:ALA:H	8	0.13
(1,1216)	1:81:A:ILE:HD11	1:100:A:ALA:H	10	0.13
(1,1216)	1:81:A:ILE:HD12	1:100:A:ALA:H	10	0.13
(1,1216)	1:81:A:ILE:HD13	1:100:A:ALA:H	10	0.13
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB1	5	0.13
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB2	5	0.13
(1,1215)	1:81:A:ILE:HD11	1:100:A:ALA:HB3	5	0.13
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB1	5	0.13
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB2	5	0.13
(1,1215)	1:81:A:ILE:HD12	1:100:A:ALA:HB3	5	0.13
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB1	5	0.13
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB2	5	0.13
(1,1215)	1:81:A:ILE:HD13	1:100:A:ALA:HB3	5	0.13
(1,1207)	1:81:A:ILE:HA	1:82:A:THR:H	4	0.13
(1,1207)	1:81:A:ILE:HA	1:82:A:THR:H	5	0.13
(1,1207)	1:81:A:ILE:HA	1:82:A:THR:H	6	0.13
(1,1207)	1:81:A:ILE:HA	1:82:A:THR:H	8	0.13
(1,1207)	1:81:A:ILE:HA	1:82:A:THR:H	10	0.13
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD11	8	0.13
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD12	8	0.13
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD13	8	0.13
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD11	8	0.13
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD12	8	0.13
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD13	8	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD11	8	0.13
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD12	8	0.13
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD13	8	0.13
(1,1127)	1:78:A:GLN:H	1:104:A:LEU:H	2	0.13
(1,1127)	1:78:A:GLN:H	1:104:A:LEU:H	4	0.13
(1,1127)	1:78:A:GLN:H	1:104:A:LEU:H	10	0.13
(1,1006)	1:74:A:PHE:HA	1:163:A:LYS:H	2	0.13
(1,975)	1:73:A:TYR:HA	1:73:A:TYR:HB3	2	0.13
(1,922)	1:70:A:LEU:HD11	1:70:A:LEU:H	2	0.13
(1,922)	1:70:A:LEU:HD12	1:70:A:LEU:H	2	0.13
(1,922)	1:70:A:LEU:HD13	1:70:A:LEU:H	2	0.13
(1,894)	1:68:A:GLU:H	1:69:A:GLN:H	1	0.13
(1,857)	1:66:A:ASN:HD22	1:174:A:ILE:H	5	0.13
(1,857)	1:66:A:ASN:HD22	1:174:A:ILE:H	6	0.13
(1,834)	1:66:A:ASN:HB3	1:66:A:ASN:H	3	0.13
(1,834)	1:66:A:ASN:HB3	1:66:A:ASN:H	4	0.13
(1,834)	1:66:A:ASN:HB3	1:66:A:ASN:H	10	0.13
(1,831)	1:66:A:ASN:HA	1:174:A:ILE:HB	4	0.13
(1,831)	1:66:A:ASN:HA	1:174:A:ILE:HB	5	0.13
(1,795)	1:64:A:LEU:HG	1:67:A:ALA:HA	10	0.13
(1,761)	1:63:A:THR:H	1:175:A:PHE:HA	1	0.13
(1,643)	1:57:A:ASP:HB2	1:115:A:LYS:H	9	0.13
(1,623)	1:55:A:VAL:H	1:115:A:LYS:HA	1	0.13
(1,554)	1:50:A:TRP:HD1	1:50:A:TRP:H	1	0.13
(1,553)	1:50:A:TRP:HB2	1:52:A:LYS:H	4	0.13
(1,553)	1:50:A:TRP:HB2	1:52:A:LYS:H	6	0.13
(1,548)	1:50:A:TRP:HB3	1:50:A:TRP:H	4	0.13
(1,548)	1:50:A:TRP:HB3	1:50:A:TRP:H	7	0.13
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG11	5	0.13
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG12	5	0.13
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG13	5	0.13
(1,503)	1:48:A:ILE:HG21	1:143:A:ILE:HG21	10	0.13
(1,503)	1:48:A:ILE:HG21	1:143:A:ILE:HG22	10	0.13
(1,503)	1:48:A:ILE:HG21	1:143:A:ILE:HG23	10	0.13
(1,503)	1:48:A:ILE:HG22	1:143:A:ILE:HG21	10	0.13
(1,503)	1:48:A:ILE:HG22	1:143:A:ILE:HG22	10	0.13
(1,503)	1:48:A:ILE:HG22	1:143:A:ILE:HG23	10	0.13
(1,503)	1:48:A:ILE:HG23	1:143:A:ILE:HG21	10	0.13
(1,503)	1:48:A:ILE:HG23	1:143:A:ILE:HG22	10	0.13
(1,503)	1:48:A:ILE:HG23	1:143:A:ILE:HG23	10	0.13
(1,480)	1:48:A:ILE:HB	1:50:A:TRP:HE1	5	0.13
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG21	2	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG22	2	0.13
(1,436)	1:46:A:TYR:HB2	1:153:A:ILE:HG23	2	0.13
(1,432)	1:46:A:TYR:HB3	1:154:A:LEU:H	1	0.13
(1,426)	1:46:A:TYR:HA	1:156:A:PHE:HA	6	0.13
(1,426)	1:46:A:TYR:HA	1:156:A:PHE:HA	7	0.13
(1,424)	1:46:A:TYR:HA	1:155:A:ASN:HB2	3	0.13
(1,259)	1:33:A:THR:HB	1:35:A:ALA:H	5	0.13
(1,259)	1:33:A:THR:HB	1:35:A:ALA:H	6	0.13
(1,240)	1:32:A:ILE:HG21	1:74:A:PHE:HE1	5	0.13
(1,240)	1:32:A:ILE:HG21	1:74:A:PHE:HE2	5	0.13
(1,240)	1:32:A:ILE:HG22	1:74:A:PHE:HE1	5	0.13
(1,240)	1:32:A:ILE:HG22	1:74:A:PHE:HE2	5	0.13
(1,240)	1:32:A:ILE:HG23	1:74:A:PHE:HE1	5	0.13
(1,240)	1:32:A:ILE:HG23	1:74:A:PHE:HE2	5	0.13
(1,235)	1:32:A:ILE:HG21	1:33:A:THR:H	2	0.13
(1,235)	1:32:A:ILE:HG22	1:33:A:THR:H	2	0.13
(1,235)	1:32:A:ILE:HG23	1:33:A:THR:H	2	0.13
(1,230)	1:32:A:ILE:HG12	1:32:A:ILE:H	2	0.13
(1,230)	1:32:A:ILE:HG12	1:32:A:ILE:H	3	0.13
(1,230)	1:32:A:ILE:HG12	1:32:A:ILE:H	7	0.13
(1,230)	1:32:A:ILE:HG12	1:32:A:ILE:H	10	0.13
(1,227)	1:32:A:ILE:HG13	1:33:A:THR:H	2	0.13
(1,227)	1:32:A:ILE:HG13	1:33:A:THR:H	5	0.13
(1,220)	1:32:A:ILE:HD11	1:158:A:ALA:HB1	9	0.13
(1,220)	1:32:A:ILE:HD11	1:158:A:ALA:HB2	9	0.13
(1,220)	1:32:A:ILE:HD11	1:158:A:ALA:HB3	9	0.13
(1,220)	1:32:A:ILE:HD12	1:158:A:ALA:HB1	9	0.13
(1,220)	1:32:A:ILE:HD12	1:158:A:ALA:HB2	9	0.13
(1,220)	1:32:A:ILE:HD12	1:158:A:ALA:HB3	9	0.13
(1,220)	1:32:A:ILE:HD13	1:158:A:ALA:HB1	9	0.13
(1,220)	1:32:A:ILE:HD13	1:158:A:ALA:HB2	9	0.13
(1,220)	1:32:A:ILE:HD13	1:158:A:ALA:HB3	9	0.13
(1,51)	1:24:A:ASP:HB2	1:25:A:VAL:H	7	0.13
(1,32)	1:23:A:ILE:HG12	1:23:A:ILE:H	10	0.13
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG21	4	0.13
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG22	4	0.13
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG23	4	0.13
(1,12)	1:21:A:GLU:HA	1:21:A:GLU:HG2	6	0.13
(1,12)	1:21:A:GLU:HA	1:21:A:GLU:HG3	6	0.13
(1,12)	1:21:A:GLU:HA	1:21:A:GLU:HG2	9	0.13
(1,12)	1:21:A:GLU:HA	1:21:A:GLU:HG3	9	0.13
(4,21)	1:59:A:LYS:O	1:180:A:LEU:H	5	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2)	1:33:A:THR:HA	1:34:A:PRO:HD3	8	0.12
(2,761)	1:168:A:PHE:H	1:169:A:ASP:H	5	0.12
(2,761)	1:168:A:PHE:H	1:169:A:ASP:H	8	0.12
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE1	8	0.12
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE2	8	0.12
(2,718)	1:142:A:ILE:HD11	1:145:A:TYR:HE1	10	0.12
(2,718)	1:142:A:ILE:HD11	1:145:A:TYR:HE2	10	0.12
(2,718)	1:142:A:ILE:HD12	1:145:A:TYR:HE1	10	0.12
(2,718)	1:142:A:ILE:HD12	1:145:A:TYR:HE2	10	0.12
(2,718)	1:142:A:ILE:HD13	1:145:A:TYR:HE1	10	0.12
(2,718)	1:142:A:ILE:HD13	1:145:A:TYR:HE2	10	0.12
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG2	5	0.12
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG3	5	0.12
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG2	8	0.12
(2,592)	1:114:A:ASP:HB3	1:116:A:GLU:HG3	8	0.12
(2,443)	1:76:A:TYR:HE1	1:78:A:GLN:HE22	4	0.12
(2,443)	1:76:A:TYR:HE2	1:78:A:GLN:HE22	4	0.12
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE1	3	0.12
(2,425)	1:74:A:PHE:HZ	1:160:A:TYR:HE2	3	0.12
(2,178)	1:36:A:ALA:H	1:37:A:GLY:H	1	0.12
(2,94)	1:23:A:ILE:HD11	1:53:A:ASP:H	1	0.12
(2,94)	1:23:A:ILE:HD12	1:53:A:ASP:H	1	0.12
(2,94)	1:23:A:ILE:HD13	1:53:A:ASP:H	1	0.12
(2,27)	1:19:A:VAL:H	1:20:A:SER:H	4	0.12
(2,26)	1:19:A:VAL:H	1:20:A:SER:HB2	5	0.12
(2,26)	1:19:A:VAL:H	1:20:A:SER:HB3	5	0.12
(2,26)	1:19:A:VAL:H	1:20:A:SER:HB2	7	0.12
(2,26)	1:19:A:VAL:H	1:20:A:SER:HB3	7	0.12
(1,2270)	1:166:A:MET:HA	1:167:A:LEU:H	10	0.12
(1,2207)	1:159:A:PHE:HB2	1:159:A:PHE:H	6	0.12
(1,2183)	1:158:A:ALA:HA	1:159:A:PHE:HB3	4	0.12
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD21	9	0.12
(1,2106)	1:153:A:ILE:HG21	1:155:A:ASN:HD22	9	0.12
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD21	9	0.12
(1,2106)	1:153:A:ILE:HG22	1:155:A:ASN:HD22	9	0.12
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD21	9	0.12
(1,2106)	1:153:A:ILE:HG23	1:155:A:ASN:HD22	9	0.12
(1,2079)	1:151:A:VAL:HG11	1:151:A:VAL:H	7	0.12
(1,2079)	1:151:A:VAL:HG12	1:151:A:VAL:H	7	0.12
(1,2079)	1:151:A:VAL:HG13	1:151:A:VAL:H	7	0.12
(1,2054)	1:145:A:TYR:HD1	1:146:A:ASN:H	10	0.12
(1,2054)	1:145:A:TYR:HD2	1:146:A:ASN:H	10	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1923)	1:134:A:TRP:HE1	1:139:A:PRO:HD2	4	0.12
(1,1923)	1:134:A:TRP:HE1	1:139:A:PRO:HD2	5	0.12
(1,1894)	1:134:A:TRP:HB3	1:142:A:ILE:HA	10	0.12
(1,1826)	1:132:A:SER:HA	1:133:A:ILE:HB	3	0.12
(1,1826)	1:132:A:SER:HA	1:133:A:ILE:HB	5	0.12
(1,1826)	1:132:A:SER:HA	1:133:A:ILE:HB	6	0.12
(1,1817)	1:131:A:THR:HB	1:132:A:SER:H	3	0.12
(1,1817)	1:131:A:THR:HB	1:132:A:SER:H	10	0.12
(1,1794)	1:128:A:TYR:HA	1:128:A:TYR:HB2	3	0.12
(1,1787)	1:123:A:PRO:HD2	1:124:A:ASP:H	2	0.12
(1,1778)	1:121:A:LEU:HG	1:121:A:LEU:H	4	0.12
(1,1778)	1:121:A:LEU:HG	1:121:A:LEU:H	6	0.12
(1,1777)	1:121:A:LEU:HD21	1:121:A:LEU:H	7	0.12
(1,1777)	1:121:A:LEU:HD22	1:121:A:LEU:H	7	0.12
(1,1777)	1:121:A:LEU:HD23	1:121:A:LEU:H	7	0.12
(1,1723)	1:116:A:GLU:HG2	1:116:A:GLU:H	4	0.12
(1,1723)	1:116:A:GLU:HG3	1:116:A:GLU:H	4	0.12
(1,1723)	1:116:A:GLU:HG2	1:116:A:GLU:H	9	0.12
(1,1723)	1:116:A:GLU:HG3	1:116:A:GLU:H	9	0.12
(1,1681)	1:114:A:ASP:HB2	1:116:A:GLU:H	6	0.12
(1,1677)	1:114:A:ASP:HA	1:118:A:ILE:H	4	0.12
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD21	5	0.12
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD22	5	0.12
(1,1653)	1:113:A:LEU:HA	1:113:A:LEU:HD23	5	0.12
(1,1629)	1:110:A:VAL:HG11	1:111:A:ILE:H	1	0.12
(1,1629)	1:110:A:VAL:HG12	1:111:A:ILE:H	1	0.12
(1,1629)	1:110:A:VAL:HG13	1:111:A:ILE:H	1	0.12
(1,1574)	1:104:A:LEU:HG	1:104:A:LEU:H	7	0.12
(1,1532)	1:102:A:ILE:HB	1:102:A:ILE:H	8	0.12
(1,1532)	1:102:A:ILE:HB	1:102:A:ILE:H	10	0.12
(1,1505)	1:98:A:THR:HA	1:100:A:ALA:H	10	0.12
(1,1432)	1:88:A:ASN:H	1:89:A:SER:H	9	0.12
(1,1422)	1:88:A:ASN:HB2	1:88:A:ASN:HD21	6	0.12
(1,1422)	1:88:A:ASN:HB2	1:88:A:ASN:HD21	10	0.12
(1,1379)	1:87:A:THR:HA	1:134:A:TRP:HE3	9	0.12
(1,1371)	1:86:A:GLU:H	1:134:A:TRP:HE1	8	0.12
(1,1333)	1:85:A:TYR:HA	1:86:A:GLU:H	8	0.12
(1,1317)	1:83:A:SER:H	1:99:A:LYS:H	2	0.12
(1,1282)	1:82:A:THR:H	1:155:A:ASN:HB3	8	0.12
(1,1282)	1:82:A:THR:H	1:155:A:ASN:HB3	10	0.12
(1,1271)	1:82:A:THR:HG21	1:83:A:SER:H	9	0.12
(1,1271)	1:82:A:THR:HG22	1:83:A:SER:H	9	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1271)	1:82:A:THR:HG23	1:83:A:SER:H	9	0.12
(1,1250)	1:81:A:ILE:H	1:156:A:PHE:HA	8	0.12
(1,1250)	1:81:A:ILE:H	1:156:A:PHE:HA	10	0.12
(1,1241)	1:81:A:ILE:HG21	1:156:A:PHE:HD1	8	0.12
(1,1241)	1:81:A:ILE:HG21	1:156:A:PHE:HD2	8	0.12
(1,1241)	1:81:A:ILE:HG22	1:156:A:PHE:HD1	8	0.12
(1,1241)	1:81:A:ILE:HG22	1:156:A:PHE:HD2	8	0.12
(1,1241)	1:81:A:ILE:HG23	1:156:A:PHE:HD1	8	0.12
(1,1241)	1:81:A:ILE:HG23	1:156:A:PHE:HD2	8	0.12
(1,1207)	1:81:A:ILE:HA	1:82:A:THR:H	1	0.12
(1,1086)	1:77:A:LEU:HB2	1:78:A:GLN:H	5	0.12
(1,1086)	1:77:A:LEU:HB2	1:78:A:GLN:H	6	0.12
(1,1055)	1:76:A:TYR:HB3	1:77:A:LEU:H	10	0.12
(1,1004)	1:74:A:PHE:HA	1:162:A:ALA:HA	4	0.12
(1,975)	1:73:A:TYR:HA	1:73:A:TYR:HB3	3	0.12
(1,975)	1:73:A:TYR:HA	1:73:A:TYR:HB3	4	0.12
(1,975)	1:73:A:TYR:HA	1:73:A:TYR:HB3	5	0.12
(1,975)	1:73:A:TYR:HA	1:73:A:TYR:HB3	9	0.12
(1,914)	1:69:A:GLN:HG3	1:69:A:GLN:H	10	0.12
(1,881)	1:68:A:GLU:HA	1:68:A:GLU:HG2	1	0.12
(1,863)	1:66:A:ASN:H	1:175:A:PHE:HA	9	0.12
(1,795)	1:64:A:LEU:HG	1:67:A:ALA:HA	2	0.12
(1,795)	1:64:A:LEU:HG	1:67:A:ALA:HA	6	0.12
(1,761)	1:63:A:THR:H	1:175:A:PHE:HA	2	0.12
(1,735)	1:62:A:VAL:H	1:108:A:SER:HA	4	0.12
(1,683)	1:60:A:LEU:HG	1:60:A:LEU:H	2	0.12
(1,683)	1:60:A:LEU:HG	1:60:A:LEU:H	7	0.12
(1,643)	1:57:A:ASP:HB2	1:115:A:LYS:H	3	0.12
(1,643)	1:57:A:ASP:HB2	1:115:A:LYS:H	7	0.12
(1,643)	1:57:A:ASP:HB2	1:115:A:LYS:H	10	0.12
(1,640)	1:57:A:ASP:HB3	1:115:A:LYS:H	6	0.12
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG21	4	0.12
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG22	4	0.12
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG23	4	0.12
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG21	6	0.12
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG22	6	0.12
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG23	6	0.12
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG21	7	0.12
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG22	7	0.12
(1,568)	1:51:A:ILE:HA	1:51:A:ILE:HG23	7	0.12
(1,567)	1:50:A:TRP:HZ3	1:151:A:VAL:HG21	10	0.12
(1,567)	1:50:A:TRP:HZ3	1:151:A:VAL:HG22	10	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:50:A:TRP:HZ3	1:151:A:VAL:HG23	10	0.12
(1,548)	1:50:A:TRP:HB3	1:50:A:TRP:H	1	0.12
(1,548)	1:50:A:TRP:HB3	1:50:A:TRP:H	2	0.12
(1,548)	1:50:A:TRP:HB3	1:50:A:TRP:H	3	0.12
(1,548)	1:50:A:TRP:HB3	1:50:A:TRP:H	8	0.12
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG11	2	0.12
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG12	2	0.12
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG13	2	0.12
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG11	9	0.12
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG12	9	0.12
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG13	9	0.12
(1,426)	1:46:A:TYR:HA	1:156:A:PHE:HA	3	0.12
(1,424)	1:46:A:TYR:HA	1:155:A:ASN:HB2	6	0.12
(1,292)	1:37:A:GLY:HA2	1:37:A:GLY:H	5	0.12
(1,291)	1:37:A:GLY:HA2	1:37:A:GLY:HA3	1	0.12
(1,291)	1:37:A:GLY:HA2	1:37:A:GLY:HA3	2	0.12
(1,291)	1:37:A:GLY:HA2	1:37:A:GLY:HA3	3	0.12
(1,291)	1:37:A:GLY:HA2	1:37:A:GLY:HA3	4	0.12
(1,291)	1:37:A:GLY:HA2	1:37:A:GLY:HA3	5	0.12
(1,291)	1:37:A:GLY:HA2	1:37:A:GLY:HA3	6	0.12
(1,291)	1:37:A:GLY:HA2	1:37:A:GLY:HA3	7	0.12
(1,291)	1:37:A:GLY:HA2	1:37:A:GLY:HA3	8	0.12
(1,291)	1:37:A:GLY:HA2	1:37:A:GLY:HA3	9	0.12
(1,291)	1:37:A:GLY:HA2	1:37:A:GLY:HA3	10	0.12
(1,272)	1:34:A:PRO:HD2	1:35:A:ALA:H	1	0.12
(1,272)	1:34:A:PRO:HD2	1:35:A:ALA:H	9	0.12
(1,254)	1:33:A:THR:HA	1:33:A:THR:HG21	2	0.12
(1,254)	1:33:A:THR:HA	1:33:A:THR:HG22	2	0.12
(1,254)	1:33:A:THR:HA	1:33:A:THR:HG23	2	0.12
(1,254)	1:33:A:THR:HA	1:33:A:THR:HG21	4	0.12
(1,254)	1:33:A:THR:HA	1:33:A:THR:HG22	4	0.12
(1,254)	1:33:A:THR:HA	1:33:A:THR:HG23	4	0.12
(1,230)	1:32:A:ILE:HG12	1:32:A:ILE:H	6	0.12
(1,202)	1:31:A:SER:HB2	1:173:A:VAL:H	1	0.12
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG11	7	0.12
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG12	7	0.12
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG13	7	0.12
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG11	7	0.12
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG12	7	0.12
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG13	7	0.12
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG11	7	0.12
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG12	7	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG13	7	0.12
(1,77)	1:25:A:VAL:HG11	1:25:A:VAL:H	2	0.12
(1,77)	1:25:A:VAL:HG12	1:25:A:VAL:H	2	0.12
(1,77)	1:25:A:VAL:HG13	1:25:A:VAL:H	2	0.12
(1,77)	1:25:A:VAL:HG11	1:25:A:VAL:H	8	0.12
(1,77)	1:25:A:VAL:HG12	1:25:A:VAL:H	8	0.12
(1,77)	1:25:A:VAL:HG13	1:25:A:VAL:H	8	0.12
(1,51)	1:24:A:ASP:HB2	1:25:A:VAL:H	5	0.12
(1,51)	1:24:A:ASP:HB2	1:25:A:VAL:H	9	0.12
(1,48)	1:24:A:ASP:HB3	1:50:A:TRP:HD1	5	0.12
(2,632)	1:122:A:TYR:HD1	1:125:A:LYS:H	3	0.11
(2,632)	1:122:A:TYR:HD2	1:125:A:LYS:H	3	0.11
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE1	5	0.11
(2,518)	1:84:A:GLY:HA2	1:95:A:PHE:HE2	5	0.11
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE1	5	0.11
(2,518)	1:84:A:GLY:HA3	1:95:A:PHE:HE2	5	0.11
(2,397)	1:73:A:TYR:HD1	1:74:A:PHE:HA	4	0.11
(2,397)	1:73:A:TYR:HD2	1:74:A:PHE:HA	4	0.11
(2,389)	1:70:A:LEU:HD21	1:172:A:PRO:HD2	1	0.11
(2,389)	1:70:A:LEU:HD22	1:172:A:PRO:HD2	1	0.11
(2,389)	1:70:A:LEU:HD23	1:172:A:PRO:HD2	1	0.11
(2,178)	1:36:A:ALA:H	1:37:A:GLY:H	3	0.11
(2,123)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	1	0.11
(2,123)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	1	0.11
(2,123)	1:28:A:HIS:HD2	1:46:A:TYR:HE1	7	0.11
(2,123)	1:28:A:HIS:HD2	1:46:A:TYR:HE2	7	0.11
(1,2459)	1:182:A:VAL:HB	1:183:A:GLY:H	3	0.11
(1,2459)	1:182:A:VAL:HB	1:183:A:GLY:H	4	0.11
(1,2459)	1:182:A:VAL:HB	1:183:A:GLY:H	5	0.11
(1,2425)	1:177:A:PHE:HD1	1:177:A:PHE:H	8	0.11
(1,2425)	1:177:A:PHE:HD2	1:177:A:PHE:H	8	0.11
(1,2316)	1:171:A:LEU:HA	1:172:A:PRO:HD3	9	0.11
(1,2295)	1:169:A:ASP:HB3	1:170:A:SER:H	1	0.11
(1,2276)	1:167:A:LEU:H	1:168:A:PHE:H	10	0.11
(1,2275)	1:167:A:LEU:HA	1:168:A:PHE:H	3	0.11
(1,2275)	1:167:A:LEU:HA	1:168:A:PHE:H	5	0.11
(1,2271)	1:166:A:MET:HB3	1:167:A:LEU:H	8	0.11
(1,2260)	1:163:A:LYS:H	1:168:A:PHE:HZ	10	0.11
(1,2258)	1:163:A:LYS:HG2	1:163:A:LYS:H	7	0.11
(1,2257)	1:163:A:LYS:HG3	1:163:A:LYS:H	9	0.11
(1,2207)	1:159:A:PHE:HB2	1:159:A:PHE:H	1	0.11
(1,2207)	1:159:A:PHE:HB2	1:159:A:PHE:H	9	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:158:A:ALA:HA	1:159:A:PHE:HB3	2	0.11
(1,2183)	1:158:A:ALA:HA	1:159:A:PHE:HB3	3	0.11
(1,2183)	1:158:A:ALA:HA	1:159:A:PHE:HB3	7	0.11
(1,2183)	1:158:A:ALA:HA	1:159:A:PHE:HB3	8	0.11
(1,2183)	1:158:A:ALA:HA	1:159:A:PHE:HB3	10	0.11
(1,2139)	1:155:A:ASN:H	1:156:A:PHE:HZ	8	0.11
(1,2139)	1:155:A:ASN:H	1:156:A:PHE:HZ	10	0.11
(1,2089)	1:152:A:ALA:HB1	1:152:A:ALA:H	4	0.11
(1,2089)	1:152:A:ALA:HB2	1:152:A:ALA:H	4	0.11
(1,2089)	1:152:A:ALA:HB3	1:152:A:ALA:H	4	0.11
(1,2086)	1:152:A:ALA:HA	1:152:A:ALA:HB1	6	0.11
(1,2086)	1:152:A:ALA:HA	1:152:A:ALA:HB2	6	0.11
(1,2086)	1:152:A:ALA:HA	1:152:A:ALA:HB3	6	0.11
(1,2086)	1:152:A:ALA:HA	1:152:A:ALA:HB1	7	0.11
(1,2086)	1:152:A:ALA:HA	1:152:A:ALA:HB2	7	0.11
(1,2086)	1:152:A:ALA:HA	1:152:A:ALA:HB3	7	0.11
(1,2086)	1:152:A:ALA:HA	1:152:A:ALA:HB1	10	0.11
(1,2086)	1:152:A:ALA:HA	1:152:A:ALA:HB2	10	0.11
(1,2086)	1:152:A:ALA:HA	1:152:A:ALA:HB3	10	0.11
(1,2079)	1:151:A:VAL:HG11	1:151:A:VAL:H	8	0.11
(1,2079)	1:151:A:VAL:HG12	1:151:A:VAL:H	8	0.11
(1,2079)	1:151:A:VAL:HG13	1:151:A:VAL:H	8	0.11
(1,2028)	1:143:A:ILE:HD11	1:143:A:ILE:H	3	0.11
(1,2028)	1:143:A:ILE:HD12	1:143:A:ILE:H	3	0.11
(1,2028)	1:143:A:ILE:HD13	1:143:A:ILE:H	3	0.11
(1,1974)	1:138:A:GLU:H	1:139:A:PRO:HD2	1	0.11
(1,1974)	1:138:A:GLU:H	1:139:A:PRO:HD2	5	0.11
(1,1974)	1:138:A:GLU:H	1:139:A:PRO:HD2	7	0.11
(1,1974)	1:138:A:GLU:H	1:139:A:PRO:HD2	9	0.11
(1,1923)	1:134:A:TRP:HE1	1:139:A:PRO:HD2	2	0.11
(1,1923)	1:134:A:TRP:HE1	1:139:A:PRO:HD2	3	0.11
(1,1923)	1:134:A:TRP:HE1	1:139:A:PRO:HD2	10	0.11
(1,1917)	1:134:A:TRP:HE1	1:136:A:PRO:HA	1	0.11
(1,1894)	1:134:A:TRP:HB3	1:142:A:ILE:HA	3	0.11
(1,1894)	1:134:A:TRP:HB3	1:142:A:ILE:HA	6	0.11
(1,1826)	1:132:A:SER:HA	1:133:A:ILE:HB	1	0.11
(1,1826)	1:132:A:SER:HA	1:133:A:ILE:HB	7	0.11
(1,1826)	1:132:A:SER:HA	1:133:A:ILE:HB	8	0.11
(1,1826)	1:132:A:SER:HA	1:133:A:ILE:HB	10	0.11
(1,1778)	1:121:A:LEU:HG	1:121:A:LEU:H	3	0.11
(1,1778)	1:121:A:LEU:HG	1:121:A:LEU:H	10	0.11
(1,1761)	1:119:A:ALA:H	1:151:A:VAL:H	10	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1734)	1:117:A:ASP:H	1:118:A:ILE:HB	10	0.11
(1,1723)	1:116:A:GLU:HG2	1:116:A:GLU:H	1	0.11
(1,1723)	1:116:A:GLU:HG3	1:116:A:GLU:H	1	0.11
(1,1699)	1:115:A:LYS:HB3	1:115:A:LYS:H	4	0.11
(1,1690)	1:115:A:LYS:HA	1:115:A:LYS:HG2	9	0.11
(1,1690)	1:115:A:LYS:HA	1:115:A:LYS:HG3	9	0.11
(1,1677)	1:114:A:ASP:HA	1:118:A:ILE:H	1	0.11
(1,1677)	1:114:A:ASP:HA	1:118:A:ILE:H	5	0.11
(1,1677)	1:114:A:ASP:HA	1:118:A:ILE:H	8	0.11
(1,1629)	1:110:A:VAL:HG11	1:111:A:ILE:H	9	0.11
(1,1629)	1:110:A:VAL:HG12	1:111:A:ILE:H	9	0.11
(1,1629)	1:110:A:VAL:HG13	1:111:A:ILE:H	9	0.11
(1,1629)	1:110:A:VAL:HG11	1:111:A:ILE:H	10	0.11
(1,1629)	1:110:A:VAL:HG12	1:111:A:ILE:H	10	0.11
(1,1629)	1:110:A:VAL:HG13	1:111:A:ILE:H	10	0.11
(1,1618)	1:108:A:SER:H	1:109:A:ALA:H	1	0.11
(1,1618)	1:108:A:SER:H	1:109:A:ALA:H	7	0.11
(1,1618)	1:108:A:SER:H	1:109:A:ALA:H	8	0.11
(1,1532)	1:102:A:ILE:HB	1:102:A:ILE:H	2	0.11
(1,1531)	1:102:A:ILE:HB	1:102:A:ILE:HG21	4	0.11
(1,1531)	1:102:A:ILE:HB	1:102:A:ILE:HG22	4	0.11
(1,1531)	1:102:A:ILE:HB	1:102:A:ILE:HG23	4	0.11
(1,1399)	1:87:A:THR:HG21	1:87:A:THR:H	2	0.11
(1,1399)	1:87:A:THR:HG22	1:87:A:THR:H	2	0.11
(1,1399)	1:87:A:THR:HG23	1:87:A:THR:H	2	0.11
(1,1399)	1:87:A:THR:HG21	1:87:A:THR:H	7	0.11
(1,1399)	1:87:A:THR:HG22	1:87:A:THR:H	7	0.11
(1,1399)	1:87:A:THR:HG23	1:87:A:THR:H	7	0.11
(1,1380)	1:87:A:THR:HA	1:134:A:TRP:HH2	8	0.11
(1,1379)	1:87:A:THR:HA	1:134:A:TRP:HE3	1	0.11
(1,1379)	1:87:A:THR:HA	1:134:A:TRP:HE3	4	0.11
(1,1371)	1:86:A:GLU:H	1:134:A:TRP:HE1	1	0.11
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG21	3	0.11
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG22	3	0.11
(1,1369)	1:86:A:GLU:H	1:133:A:ILE:HG23	3	0.11
(1,1363)	1:86:A:GLU:HG3	1:86:A:GLU:H	4	0.11
(1,1343)	1:85:A:TYR:HE1	1:152:A:ALA:HA	9	0.11
(1,1343)	1:85:A:TYR:HE2	1:152:A:ALA:HA	9	0.11
(1,1315)	1:83:A:SER:H	1:99:A:LYS:HG3	9	0.11
(1,1271)	1:82:A:THR:HG21	1:83:A:SER:H	2	0.11
(1,1271)	1:82:A:THR:HG22	1:83:A:SER:H	2	0.11
(1,1271)	1:82:A:THR:HG23	1:83:A:SER:H	2	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	1:81:A:ILE:H	1:156:A:PHE:HA	1	0.11
(1,1250)	1:81:A:ILE:H	1:156:A:PHE:HA	7	0.11
(1,1232)	1:81:A:ILE:HG21	1:99:A:LYS:H	7	0.11
(1,1232)	1:81:A:ILE:HG22	1:99:A:LYS:H	7	0.11
(1,1232)	1:81:A:ILE:HG23	1:99:A:LYS:H	7	0.11
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD11	1	0.11
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD12	1	0.11
(1,1169)	1:79:A:ILE:HG21	1:79:A:ILE:HD13	1	0.11
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD11	1	0.11
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD12	1	0.11
(1,1169)	1:79:A:ILE:HG22	1:79:A:ILE:HD13	1	0.11
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD11	1	0.11
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD12	1	0.11
(1,1169)	1:79:A:ILE:HG23	1:79:A:ILE:HD13	1	0.11
(1,1128)	1:78:A:GLN:H	1:158:A:ALA:HA	6	0.11
(1,1127)	1:78:A:GLN:H	1:104:A:LEU:H	1	0.11
(1,1100)	1:77:A:LEU:HG	1:78:A:GLN:H	8	0.11
(1,1078)	1:77:A:LEU:HA	1:77:A:LEU:HB2	4	0.11
(1,1075)	1:76:A:TYR:H	1:162:A:ALA:HA	2	0.11
(1,1075)	1:76:A:TYR:H	1:162:A:ALA:HA	4	0.11
(1,1075)	1:76:A:TYR:H	1:162:A:ALA:HA	6	0.11
(1,1075)	1:76:A:TYR:H	1:162:A:ALA:HA	7	0.11
(1,1037)	1:74:A:PHE:HZ	1:162:A:ALA:HA	5	0.11
(1,1006)	1:74:A:PHE:HA	1:163:A:LYS:H	9	0.11
(1,975)	1:73:A:TYR:HA	1:73:A:TYR:HB3	6	0.11
(1,921)	1:70:A:LEU:HA	1:73:A:TYR:HD1	8	0.11
(1,921)	1:70:A:LEU:HA	1:73:A:TYR:HD2	8	0.11
(1,894)	1:68:A:GLU:H	1:69:A:GLN:H	7	0.11
(1,886)	1:68:A:GLU:HA	1:71:A:LYS:HD2	7	0.11
(1,886)	1:68:A:GLU:HA	1:71:A:LYS:HD3	7	0.11
(1,857)	1:66:A:ASN:HD22	1:174:A:ILE:H	4	0.11
(1,854)	1:66:A:ASN:HD22	1:172:A:PRO:HD3	4	0.11
(1,854)	1:66:A:ASN:HD22	1:172:A:PRO:HD3	8	0.11
(1,845)	1:66:A:ASN:HD21	1:173:A:VAL:HA	7	0.11
(1,834)	1:66:A:ASN:HB3	1:66:A:ASN:H	5	0.11
(1,830)	1:66:A:ASN:HA	1:69:A:GLN:H	10	0.11
(1,828)	1:66:A:ASN:HA	1:69:A:GLN:HG3	9	0.11
(1,795)	1:64:A:LEU:HG	1:67:A:ALA:HA	7	0.11
(1,761)	1:63:A:THR:H	1:175:A:PHE:HA	7	0.11
(1,761)	1:63:A:THR:H	1:175:A:PHE:HA	8	0.11
(1,761)	1:63:A:THR:H	1:175:A:PHE:HA	10	0.11
(1,755)	1:63:A:THR:HG21	1:108:A:SER:HA	7	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:63:A:THR:HG22	1:108:A:SER:HA	7	0.11
(1,755)	1:63:A:THR:HG23	1:108:A:SER:HA	7	0.11
(1,755)	1:63:A:THR:HG21	1:108:A:SER:HA	8	0.11
(1,755)	1:63:A:THR:HG22	1:108:A:SER:HA	8	0.11
(1,755)	1:63:A:THR:HG23	1:108:A:SER:HA	8	0.11
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD1	3	0.11
(1,731)	1:62:A:VAL:HG21	1:177:A:PHE:HD2	3	0.11
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD1	3	0.11
(1,731)	1:62:A:VAL:HG22	1:177:A:PHE:HD2	3	0.11
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD1	3	0.11
(1,731)	1:62:A:VAL:HG23	1:177:A:PHE:HD2	3	0.11
(1,683)	1:60:A:LEU:HG	1:60:A:LEU:H	10	0.11
(1,639)	1:57:A:ASP:HB3	1:58:A:VAL:H	7	0.11
(1,597)	1:53:A:ASP:HB2	1:54:A:GLN:H	7	0.11
(1,597)	1:53:A:ASP:HB3	1:54:A:GLN:H	7	0.11
(1,554)	1:50:A:TRP:HD1	1:50:A:TRP:H	3	0.11
(1,548)	1:50:A:TRP:HB3	1:50:A:TRP:H	9	0.11
(1,541)	1:50:A:TRP:HA	1:51:A:ILE:HB	3	0.11
(1,529)	1:49:A:VAL:H	1:151:A:VAL:HA	7	0.11
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG11	3	0.11
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG12	3	0.11
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG13	3	0.11
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG11	4	0.11
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG12	4	0.11
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG13	4	0.11
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG11	8	0.11
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG12	8	0.11
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG13	8	0.11
(1,493)	1:48:A:ILE:HG21	1:50:A:TRP:HA	6	0.11
(1,493)	1:48:A:ILE:HG22	1:50:A:TRP:HA	6	0.11
(1,493)	1:48:A:ILE:HG23	1:50:A:TRP:HA	6	0.11
(1,447)	1:46:A:TYR:HE1	1:141:A:LYS:HG3	9	0.11
(1,447)	1:46:A:TYR:HE2	1:141:A:LYS:HG3	9	0.11
(1,432)	1:46:A:TYR:HB3	1:154:A:LEU:H	2	0.11
(1,424)	1:46:A:TYR:HA	1:155:A:ASN:HB2	5	0.11
(1,356)	1:42:A:ASP:HB2	1:160:A:TYR:HE1	8	0.11
(1,356)	1:42:A:ASP:HB2	1:160:A:TYR:HE2	8	0.11
(1,356)	1:42:A:ASP:HB3	1:160:A:TYR:HE1	8	0.11
(1,356)	1:42:A:ASP:HB3	1:160:A:TYR:HE2	8	0.11
(1,292)	1:37:A:GLY:HA2	1:37:A:GLY:H	6	0.11
(1,290)	1:37:A:GLY:HA3	1:38:A:ALA:H	7	0.11
(1,268)	1:34:A:PRO:HD3	1:35:A:ALA:H	3	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:32:A:ILE:HG21	1:74:A:PHE:HE1	3	0.11
(1,240)	1:32:A:ILE:HG21	1:74:A:PHE:HE2	3	0.11
(1,240)	1:32:A:ILE:HG22	1:74:A:PHE:HE1	3	0.11
(1,240)	1:32:A:ILE:HG22	1:74:A:PHE:HE2	3	0.11
(1,240)	1:32:A:ILE:HG23	1:74:A:PHE:HE1	3	0.11
(1,240)	1:32:A:ILE:HG23	1:74:A:PHE:HE2	3	0.11
(1,227)	1:32:A:ILE:HG13	1:33:A:THR:H	6	0.11
(1,190)	1:31:A:SER:HA	1:32:A:ILE:HD11	6	0.11
(1,190)	1:31:A:SER:HA	1:32:A:ILE:HD12	6	0.11
(1,190)	1:31:A:SER:HA	1:32:A:ILE:HD13	6	0.11
(1,188)	1:30:A:GLY:H	1:46:A:TYR:H	2	0.11
(1,188)	1:30:A:GLY:H	1:46:A:TYR:H	5	0.11
(1,166)	1:29:A:LEU:HD11	1:175:A:PHE:H	5	0.11
(1,166)	1:29:A:LEU:HD12	1:175:A:PHE:H	5	0.11
(1,166)	1:29:A:LEU:HD13	1:175:A:PHE:H	5	0.11
(1,141)	1:28:A:HIS:HD2	1:48:A:ILE:HA	7	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG11	3	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG12	3	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG13	3	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG11	3	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG12	3	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG13	3	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG11	3	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG12	3	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG13	3	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG11	5	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG12	5	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG13	5	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG11	5	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG12	5	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG13	5	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG11	5	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG12	5	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG13	5	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG11	6	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG12	6	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG13	6	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG11	6	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG12	6	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG13	6	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG11	6	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG12	6	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG13	6	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG11	8	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG12	8	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG13	8	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG11	8	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG12	8	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG13	8	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG11	8	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG12	8	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG13	8	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG11	9	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG12	9	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG13	9	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG11	9	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG12	9	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG13	9	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG11	9	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG12	9	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG13	9	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG11	10	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG12	10	0.11
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG13	10	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG11	10	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG12	10	0.11
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG13	10	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG11	10	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG12	10	0.11
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG13	10	0.11
(1,77)	1:25:A:VAL:HG11	1:25:A:VAL:H	5	0.11
(1,77)	1:25:A:VAL:HG12	1:25:A:VAL:H	5	0.11
(1,77)	1:25:A:VAL:HG13	1:25:A:VAL:H	5	0.11
(1,51)	1:24:A:ASP:HB2	1:25:A:VAL:H	8	0.11
(1,48)	1:24:A:ASP:HB3	1:50:A:TRP:HD1	7	0.11
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG21	7	0.11
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG22	7	0.11
(1,25)	1:23:A:ILE:HA	1:23:A:ILE:HG23	7	0.11
(1,9)	1:19:A:VAL:HB	1:19:A:VAL:H	5	0.11
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE1	7	0.1
(2,732)	1:155:A:ASN:H	1:156:A:PHE:HE2	7	0.1
(2,512)	1:83:A:SER:HB2	1:154:A:LEU:HA	6	0.1
(2,206)	1:39:A:GLN:HB2	1:39:A:GLN:HE21	10	0.1
(2,27)	1:19:A:VAL:H	1:20:A:SER:H	5	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2459)	1:182:A:VAL:HB	1:183:A:GLY:H	2	0.1
(1,2459)	1:182:A:VAL:HB	1:183:A:GLY:H	7	0.1
(1,2459)	1:182:A:VAL:HB	1:183:A:GLY:H	10	0.1
(1,2450)	1:180:A:LEU:H	1:181:A:GLN:H	5	0.1
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD11	7	0.1
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD12	7	0.1
(1,2303)	1:170:A:SER:HA	1:171:A:LEU:HD13	7	0.1
(1,2299)	1:169:A:ASP:H	1:170:A:SER:H	3	0.1
(1,2299)	1:169:A:ASP:H	1:170:A:SER:H	5	0.1
(1,2295)	1:169:A:ASP:HB3	1:170:A:SER:H	6	0.1
(1,2275)	1:167:A:LEU:HA	1:168:A:PHE:H	2	0.1
(1,2275)	1:167:A:LEU:HA	1:168:A:PHE:H	4	0.1
(1,2275)	1:167:A:LEU:HA	1:168:A:PHE:H	10	0.1
(1,2260)	1:163:A:LYS:H	1:168:A:PHE:HZ	5	0.1
(1,2246)	1:162:A:ALA:HB1	1:168:A:PHE:HZ	8	0.1
(1,2246)	1:162:A:ALA:HB2	1:168:A:PHE:HZ	8	0.1
(1,2246)	1:162:A:ALA:HB3	1:168:A:PHE:HZ	8	0.1
(1,2183)	1:158:A:ALA:HA	1:159:A:PHE:HB3	1	0.1
(1,2183)	1:158:A:ALA:HA	1:159:A:PHE:HB3	5	0.1
(1,2124)	1:155:A:ASN:HA	1:155:A:ASN:HD21	5	0.1
(1,2124)	1:155:A:ASN:HA	1:155:A:ASN:HD22	5	0.1
(1,2089)	1:152:A:ALA:HB1	1:152:A:ALA:H	1	0.1
(1,2089)	1:152:A:ALA:HB2	1:152:A:ALA:H	1	0.1
(1,2089)	1:152:A:ALA:HB3	1:152:A:ALA:H	1	0.1
(1,2089)	1:152:A:ALA:HB1	1:152:A:ALA:H	2	0.1
(1,2089)	1:152:A:ALA:HB2	1:152:A:ALA:H	2	0.1
(1,2089)	1:152:A:ALA:HB3	1:152:A:ALA:H	2	0.1
(1,2089)	1:152:A:ALA:HB1	1:152:A:ALA:H	9	0.1
(1,2089)	1:152:A:ALA:HB2	1:152:A:ALA:H	9	0.1
(1,2089)	1:152:A:ALA:HB3	1:152:A:ALA:H	9	0.1
(1,2089)	1:152:A:ALA:HB1	1:152:A:ALA:H	10	0.1
(1,2089)	1:152:A:ALA:HB2	1:152:A:ALA:H	10	0.1
(1,2089)	1:152:A:ALA:HB3	1:152:A:ALA:H	10	0.1
(1,1974)	1:138:A:GLU:H	1:139:A:PRO:HD2	6	0.1
(1,1923)	1:134:A:TRP:HE1	1:139:A:PRO:HD2	6	0.1
(1,1894)	1:134:A:TRP:HB3	1:142:A:ILE:HA	9	0.1
(1,1826)	1:132:A:SER:HA	1:133:A:ILE:HB	4	0.1
(1,1787)	1:123:A:PRO:HD2	1:124:A:ASP:H	5	0.1
(1,1787)	1:123:A:PRO:HD2	1:124:A:ASP:H	7	0.1
(1,1787)	1:123:A:PRO:HD2	1:124:A:ASP:H	9	0.1
(1,1787)	1:123:A:PRO:HD2	1:124:A:ASP:H	10	0.1
(1,1761)	1:119:A:ALA:H	1:151:A:VAL:H	6	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1684)	1:114:A:ASP:H	1:116:A:GLU:H	5	0.1
(1,1677)	1:114:A:ASP:HA	1:118:A:ILE:H	2	0.1
(1,1677)	1:114:A:ASP:HA	1:118:A:ILE:H	3	0.1
(1,1640)	1:111:A:ILE:HG21	1:112:A:VAL:H	3	0.1
(1,1640)	1:111:A:ILE:HG22	1:112:A:VAL:H	3	0.1
(1,1640)	1:111:A:ILE:HG23	1:112:A:VAL:H	3	0.1
(1,1618)	1:108:A:SER:H	1:109:A:ALA:H	3	0.1
(1,1618)	1:108:A:SER:H	1:109:A:ALA:H	5	0.1
(1,1618)	1:108:A:SER:H	1:109:A:ALA:H	6	0.1
(1,1618)	1:108:A:SER:H	1:109:A:ALA:H	10	0.1
(1,1532)	1:102:A:ILE:HB	1:102:A:ILE:H	7	0.1
(1,1532)	1:102:A:ILE:HB	1:102:A:ILE:H	9	0.1
(1,1439)	1:88:A:ASN:H	1:134:A:TRP:HZ3	7	0.1
(1,1436)	1:88:A:ASN:H	1:133:A:ILE:HA	3	0.1
(1,1422)	1:88:A:ASN:HB2	1:88:A:ASN:HD21	1	0.1
(1,1408)	1:87:A:THR:H	1:134:A:TRP:HH2	7	0.1
(1,1380)	1:87:A:THR:HA	1:134:A:TRP:HH2	7	0.1
(1,1365)	1:86:A:GLU:HG2	1:86:A:GLU:H	4	0.1
(1,1250)	1:81:A:ILE:H	1:156:A:PHE:HA	5	0.1
(1,1127)	1:78:A:GLN:H	1:104:A:LEU:H	5	0.1
(1,1127)	1:78:A:GLN:H	1:104:A:LEU:H	8	0.1
(1,1020)	1:74:A:PHE:HD1	1:162:A:ALA:HA	5	0.1
(1,1020)	1:74:A:PHE:HD2	1:162:A:ALA:HA	5	0.1
(1,1006)	1:74:A:PHE:HA	1:163:A:LYS:H	6	0.1
(1,914)	1:69:A:GLN:HG3	1:69:A:GLN:H	2	0.1
(1,828)	1:66:A:ASN:HA	1:69:A:GLN:HG3	10	0.1
(1,795)	1:64:A:LEU:HG	1:67:A:ALA:HA	1	0.1
(1,795)	1:64:A:LEU:HG	1:67:A:ALA:HA	4	0.1
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG21	5	0.1
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG22	5	0.1
(1,710)	1:62:A:VAL:HA	1:62:A:VAL:HG23	5	0.1
(1,678)	1:60:A:LEU:HA	1:111:A:ILE:H	6	0.1
(1,678)	1:60:A:LEU:HA	1:111:A:ILE:H	7	0.1
(1,678)	1:60:A:LEU:HA	1:111:A:ILE:H	8	0.1
(1,643)	1:57:A:ASP:HB2	1:115:A:LYS:H	8	0.1
(1,639)	1:57:A:ASP:HB3	1:58:A:VAL:H	5	0.1
(1,541)	1:50:A:TRP:HA	1:51:A:ILE:HB	1	0.1
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG11	1	0.1
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG12	1	0.1
(1,513)	1:49:A:VAL:HA	1:49:A:VAL:HG13	1	0.1
(1,455)	1:47:A:ALA:HB1	1:48:A:ILE:H	3	0.1
(1,455)	1:47:A:ALA:HB2	1:48:A:ILE:H	3	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:47:A:ALA:HB3	1:48:A:ILE:H	3	0.1
(1,454)	1:47:A:ALA:HB1	1:47:A:ALA:H	7	0.1
(1,454)	1:47:A:ALA:HB2	1:47:A:ALA:H	7	0.1
(1,454)	1:47:A:ALA:HB3	1:47:A:ALA:H	7	0.1
(1,432)	1:46:A:TYR:HB3	1:154:A:LEU:H	5	0.1
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE1	10	0.1
(1,427)	1:46:A:TYR:HA	1:156:A:PHE:HE2	10	0.1
(1,426)	1:46:A:TYR:HA	1:156:A:PHE:HA	10	0.1
(1,356)	1:42:A:ASP:HB2	1:160:A:TYR:HE1	9	0.1
(1,356)	1:42:A:ASP:HB2	1:160:A:TYR:HE2	9	0.1
(1,356)	1:42:A:ASP:HB3	1:160:A:TYR:HE1	9	0.1
(1,356)	1:42:A:ASP:HB3	1:160:A:TYR:HE2	9	0.1
(1,290)	1:37:A:GLY:HA3	1:38:A:ALA:H	4	0.1
(1,272)	1:34:A:PRO:HD2	1:35:A:ALA:H	3	0.1
(1,256)	1:33:A:THR:HA	1:168:A:PHE:HZ	5	0.1
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG21	10	0.1
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG22	10	0.1
(1,209)	1:32:A:ILE:HA	1:32:A:ILE:HG23	10	0.1
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD1	7	0.1
(1,170)	1:29:A:LEU:HD21	1:175:A:PHE:HD2	7	0.1
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD1	7	0.1
(1,170)	1:29:A:LEU:HD22	1:175:A:PHE:HD2	7	0.1
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD1	7	0.1
(1,170)	1:29:A:LEU:HD23	1:175:A:PHE:HD2	7	0.1
(1,141)	1:28:A:HIS:HD2	1:48:A:ILE:HA	2	0.1
(1,92)	1:25:A:VAL:H	1:50:A:TRP:HE1	6	0.1
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG11	4	0.1
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG12	4	0.1
(1,82)	1:25:A:VAL:HG21	1:25:A:VAL:HG13	4	0.1
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG11	4	0.1
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG12	4	0.1
(1,82)	1:25:A:VAL:HG22	1:25:A:VAL:HG13	4	0.1
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG11	4	0.1
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG12	4	0.1
(1,82)	1:25:A:VAL:HG23	1:25:A:VAL:HG13	4	0.1
(1,54)	1:24:A:ASP:HB2	1:50:A:TRP:HB2	2	0.1

10 Dihedral-angle violation analysis

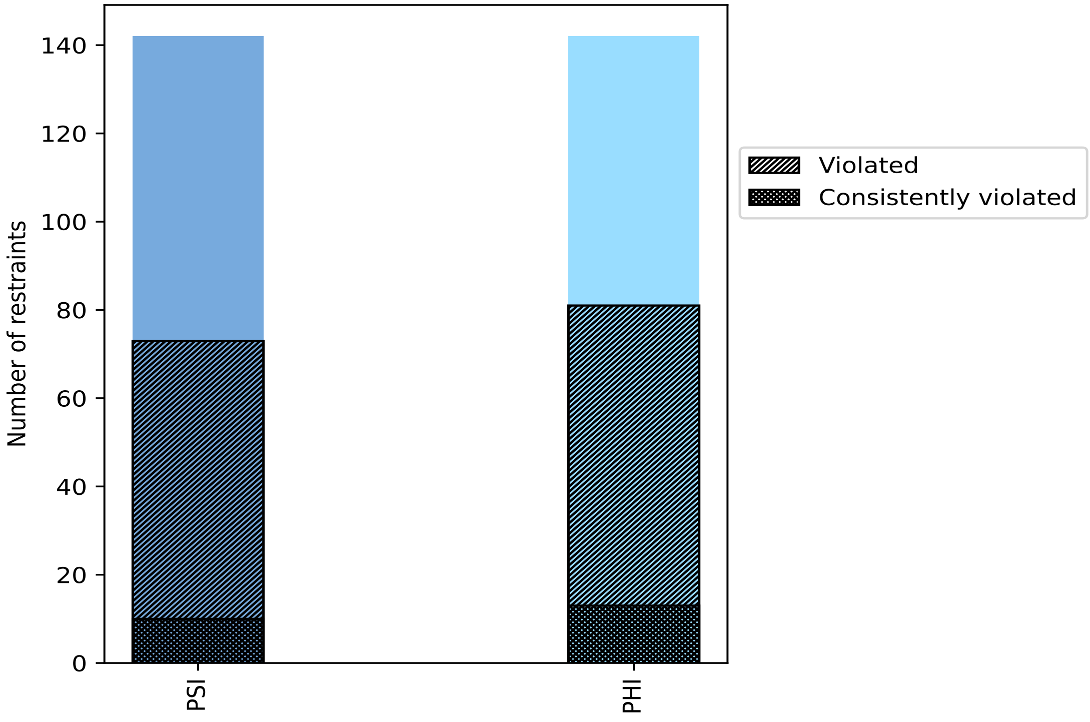
10.1 Summary of dihedral-angle violations

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]
PSI	142	50.0	73	51.4	25.7	10	7.0	3.5
PHI	142	50.0	81	57.0	28.5	13	9.2	4.6
Total	284	100.0	154	54.2	54.2	23	8.1	8.1

[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



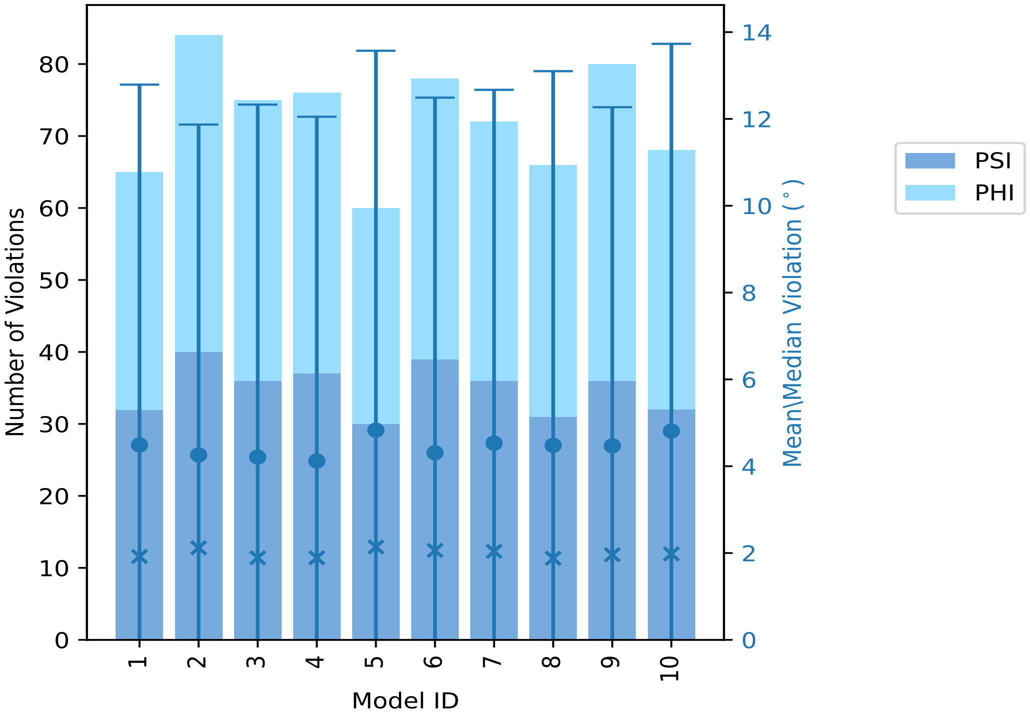
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model ⓘ

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 (°)
	PSI	PHI	Total				
1	32	33	65	4.49	40.03	8.3	1.92
2	40	44	84	4.26	39.91	7.61	2.12
3	36	39	75	4.21	40.34	8.12	1.89
4	37	39	76	4.12	40.62	7.93	1.89
5	30	30	60	4.83	40.21	8.74	2.14
6	39	39	78	4.31	43.13	8.18	2.06
7	36	36	72	4.53	39.99	8.14	2.04
8	31	35	66	4.48	41.94	8.62	1.88
9	36	44	80	4.47	40.52	7.8	1.96
10	32	36	68	4.81	43.26	8.92	1.98

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

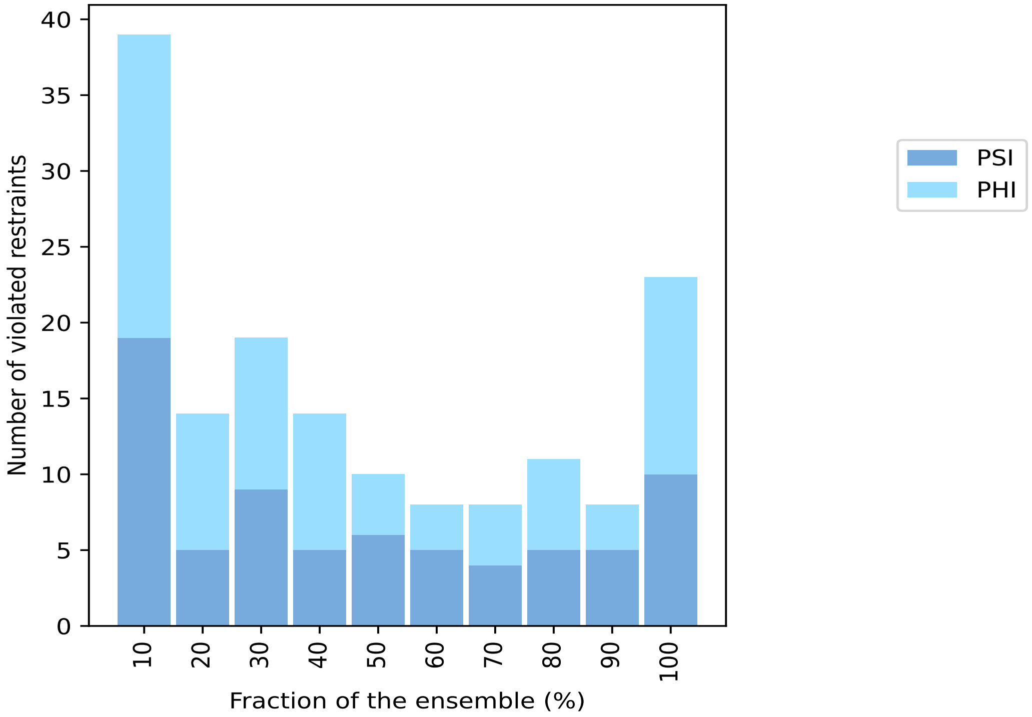
10.3 Dihedral-angle violation statistics for the ensemble ⓘ

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	
PSI	PHI	Total	Count[1]	%
19	20	39	1	10.0
5	9	14	2	20.0
9	10	19	3	30.0
5	9	14	4	40.0
6	4	10	5	50.0
5	3	8	6	60.0
4	4	8	7	70.0
5	6	11	8	80.0
5	3	8	9	90.0
10	13	23	10	100.0

[1] Number of models with violations

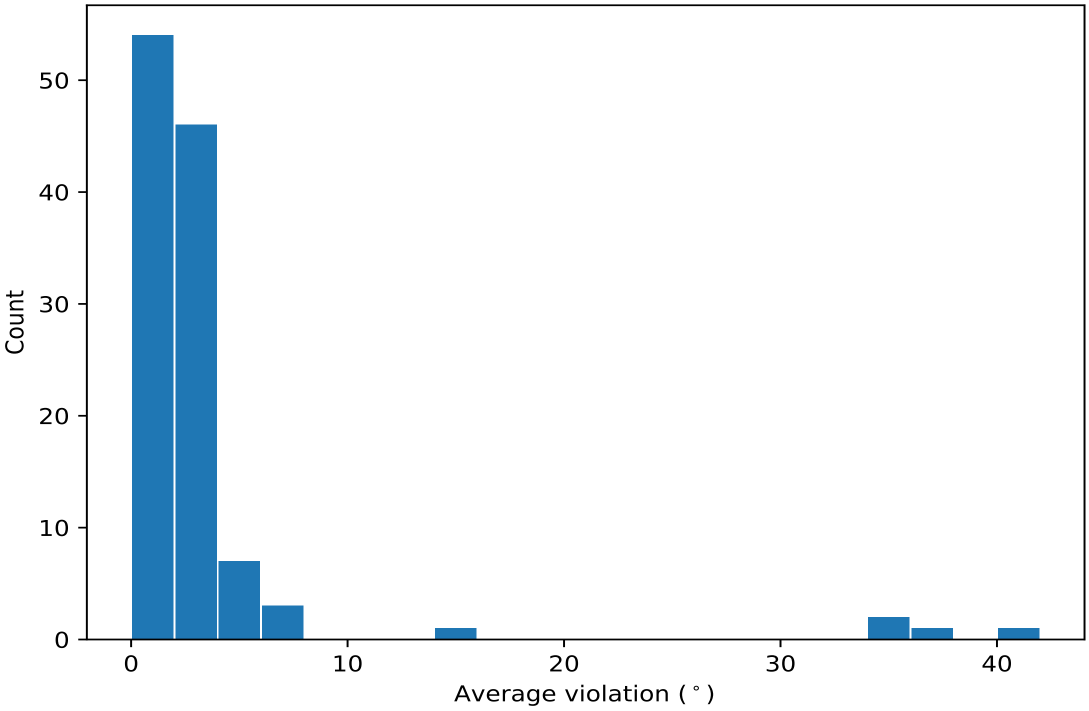
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble ⓘ



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
(1,222)	1:150:A:PRO:N	1:150:A:PRO:CA	1:150:A:PRO:C	1:151:A:VAL:N	10	40.3	0.62	40.12
(1,226)	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	1:153:A:ILE:N	10	37.47	2.93	36.34
(1,14)	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	1:29:A:LEU:N	10	35.8	0.19	35.86
(1,157)	1:112:A:VAL:C	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	10	35.28	0.86	35.57
(1,9)	1:25:A:VAL:C	1:26:A:GLU:N	1:26:A:GLU:CA	1:26:A:GLU:C	10	15.78	2.3	14.58
(1,196)	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	1:135:A:VAL:N	10	6.09	0.71	6.04
(1,204)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	10	5.55	0.38	5.64
(1,24)	1:33:A:THR:N	1:33:A:THR:CA	1:33:A:THR:C	1:34:A:PRO:N	10	5.27	0.91	5.23
(1,223)	1:150:A:PRO:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	10	4.63	0.52	4.68
(1,7)	1:24:A:ASP:C	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	10	4.04	0.42	4.19
(1,12)	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	1:28:A:HIS:N	10	3.7	0.52	3.71
(1,13)	1:27:A:SER:C	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	10	3.08	0.46	3.14
(1,176)	1:122:A:TYR:N	1:122:A:TYR:CA	1:122:A:TYR:C	1:123:A:PRO:N	10	2.68	0.72	2.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,53)	1:56:A:ASN:C	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	10	2.5	0.76	2.68
(1,26)	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	1:35:A:ALA:N	10	2.31	0.51	2.17
(1,69)	1:64:A:LEU:C	1:65:A:ALA:N	1:65:A:ALA:CA	1:65:A:ALA:C	10	2.29	0.86	2.16
(1,11)	1:26:A:GLU:C	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	10	2.23	0.43	2.3
(1,127)	1:96:A:SER:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	10	2.21	0.34	2.23
(1,197)	1:134:A:TRP:C	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	10	2.21	0.48	2.08
(1,240)	1:159:A:PHE:N	1:159:A:PHE:CA	1:159:A:PHE:C	1:160:A:TYR:N	10	2.01	0.73	1.76
(1,237)	1:157:A:LYS:C	1:158:A:ALA:N	1:158:A:ALA:CA	1:158:A:ALA:C	10	2.0	0.22	2.0
(1,203)	1:137:A:GLY:C	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	10	1.67	0.25	1.7
(1,103)	1:81:A:ILE:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	10	1.6	0.34	1.56
(1,93)	1:76:A:TYR:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	9	3.02	1.41	2.93
(1,83)	1:71:A:LYS:C	1:72:A:PRO:N	1:72:A:PRO:CA	1:72:A:PRO:C	9	2.58	0.89	2.4
(1,75)	1:67:A:ALA:C	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	9	2.19	0.48	2.21
(1,206)	1:141:A:LYS:N	1:141:A:LYS:CA	1:141:A:LYS:C	1:142:A:ILE:N	9	2.12	0.66	1.84
(1,52)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:ASP:N	9	2.06	1.05	1.72
(1,144)	1:105:A:ASP:N	1:105:A:ASP:CA	1:105:A:ASP:C	1:106:A:ASN:N	9	1.96	0.17	1.98
(1,68)	1:64:A:LEU:N	1:64:A:LEU:CA	1:64:A:LEU:C	1:65:A:ALA:N	9	1.71	0.6	1.49
(1,244)	1:161:A:GLU:N	1:161:A:GLU:CA	1:161:A:GLU:C	1:162:A:ALA:N	9	1.65	0.37	1.76
(1,82)	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	1:72:A:PRO:N	8	2.44	1.13	2.08
(1,105)	1:82:A:THR:C	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	8	2.32	1.0	2.43
(1,249)	1:163:A:LYS:C	1:164:A:GLU:N	1:164:A:GLU:CA	1:164:A:GLU:C	8	2.19	0.67	1.94
(1,160)	1:114:A:ASP:N	1:114:A:ASP:CA	1:114:A:ASP:C	1:115:A:LYS:N	8	2.12	1.01	1.94
(1,207)	1:141:A:LYS:C	1:142:A:ILE:N	1:142:A:ILE:CA	1:142:A:ILE:C	8	1.92	0.57	1.8
(1,248)	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	1:164:A:GLU:N	8	1.72	0.44	1.53
(1,255)	1:166:A:MET:C	1:167:A:LEU:N	1:167:A:LEU:CA	1:167:A:LEU:C	8	1.7	0.28	1.7
(1,8)	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	1:26:A:GLU:N	8	1.61	0.39	1.52
(1,114)	1:87:A:THR:N	1:87:A:THR:CA	1:87:A:THR:C	1:88:A:ASN:N	8	1.48	0.41	1.46
(1,145)	1:105:A:ASP:C	1:106:A:ASN:N	1:106:A:ASN:CA	1:106:A:ASN:C	8	1.37	0.15	1.44
(1,141)	1:103:A:SER:C	1:104:A:LEU:N	1:104:A:LEU:CA	1:104:A:LEU:C	8	1.19	0.14	1.14
(1,79)	1:69:A:GLN:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	7	2.27	1.27	2.0
(1,81)	1:70:A:LEU:C	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	7	2.26	1.09	1.75
(1,47)	1:51:A:ILE:C	1:52:A:LYS:N	1:52:A:LYS:CA	1:52:A:LYS:C	7	2.11	0.23	2.04
(1,22)	1:32:A:ILE:N	1:32:A:ILE:CA	1:32:A:ILE:C	1:33:A:THR:N	7	2.11	0.83	2.72
(1,254)	1:166:A:MET:N	1:166:A:MET:CA	1:166:A:MET:C	1:167:A:LEU:N	7	1.98	0.89	1.46
(1,20)	1:31:A:SER:N	1:31:A:SER:CA	1:31:A:SER:C	1:32:A:ILE:N	7	1.95	0.39	1.95
(1,263)	1:171:A:LEU:C	1:172:A:PRO:N	1:172:A:PRO:CA	1:172:A:PRO:C	7	1.85	0.22	1.8
(1,172)	1:120:A:VAL:N	1:120:A:VAL:CA	1:120:A:VAL:C	1:121:A:LEU:N	7	1.72	0.58	1.59
(1,186)	1:129:A:THR:N	1:129:A:THR:CA	1:129:A:THR:C	1:130:A:ASN:N	6	2.38	0.6	2.53
(1,213)	1:144:A:VAL:C	1:145:A:TYR:N	1:145:A:TYR:CA	1:145:A:TYR:C	6	2.09	0.53	2.36
(1,225)	1:151:A:VAL:C	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	6	1.77	0.43	1.77
(1,46)	1:51:A:ILE:N	1:51:A:ILE:CA	1:51:A:ILE:C	1:52:A:LYS:N	6	1.61	0.4	1.48
(1,183)	1:126:A:THR:C	1:127:A:GLY:N	1:127:A:GLY:CA	1:127:A:GLY:C	6	1.34	0.22	1.4
(1,36)	1:46:A:TYR:N	1:46:A:TYR:CA	1:46:A:TYR:C	1:47:A:ALA:N	6	1.27	0.16	1.22
(1,182)	1:126:A:THR:N	1:126:A:THR:CA	1:126:A:THR:C	1:127:A:GLY:N	6	1.25	0.18	1.27
(1,284)	1:182:A:VAL:N	1:182:A:VAL:CA	1:182:A:VAL:C	1:183:A:GLY:N	6	1.12	0.09	1.12
(1,96)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:ILE:N	5	4.08	0.31	4.13
(1,218)	1:148:A:THR:N	1:148:A:THR:CA	1:148:A:THR:C	1:149:A:LYS:N	5	2.44	0.51	2.38
(1,259)	1:169:A:ASP:C	1:170:A:SER:N	1:170:A:SER:CA	1:170:A:SER:C	5	2.12	1.09	1.65
(1,219)	1:148:A:THR:C	1:149:A:LYS:N	1:149:A:LYS:CA	1:149:A:LYS:C	5	2.1	0.49	1.89
(1,76)	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	1:69:A:GLN:N	5	2.08	0.74	1.91
(1,104)	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	1:83:A:SER:N	5	1.67	0.44	1.47

Continued on next page...

Continued from previous page...

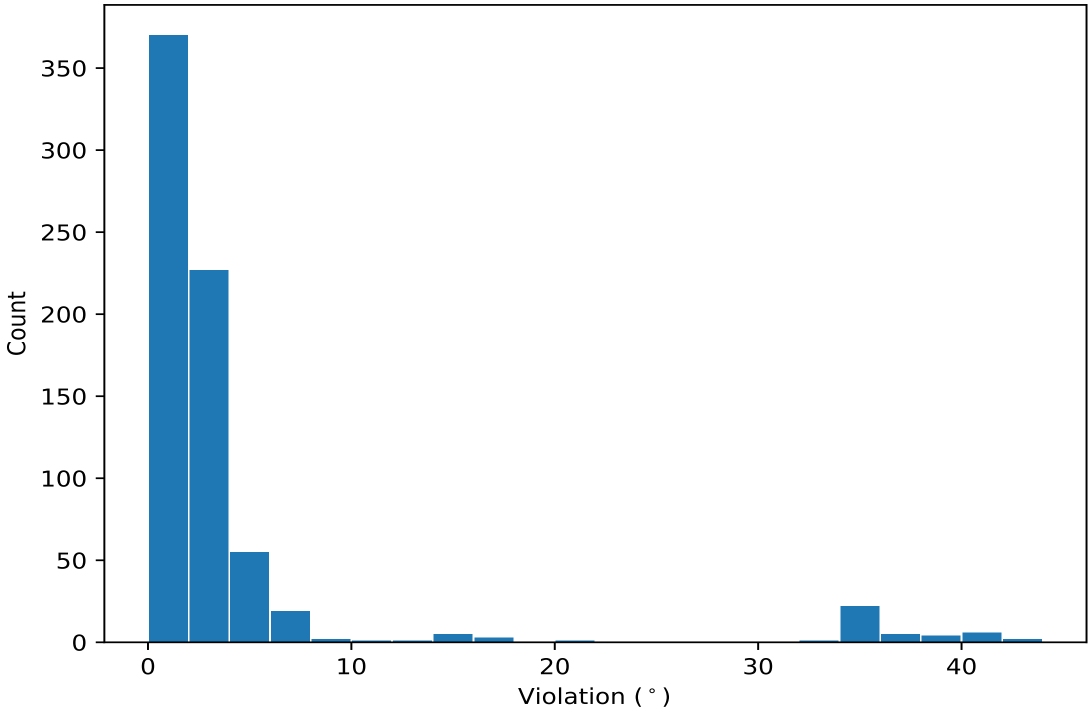
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,97)	1:78:A:GLN:C	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	5	1.63	0.19	1.72
(1,42)	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	1:50:A:TRP:N	5	1.48	0.47	1.37
(1,261)	1:170:A:SER:C	1:171:A:LEU:N	1:171:A:LEU:CA	1:171:A:LEU:C	5	1.47	0.26	1.39
(1,198)	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	1:136:A:PRO:N	5	1.29	0.13	1.34
(1,78)	1:69:A:GLN:N	1:69:A:GLN:CA	1:69:A:GLN:C	1:70:A:LEU:N	4	4.67	2.06	4.82
(1,117)	1:89:A:SER:C	1:90:A:THR:N	1:90:A:THR:CA	1:90:A:THR:C	4	3.54	2.08	3.47
(1,253)	1:165:A:GLY:C	1:166:A:MET:N	1:166:A:MET:CA	1:166:A:MET:C	4	2.93	0.45	3.0
(1,122)	1:92:A:LEU:N	1:92:A:LEU:CA	1:92:A:LEU:C	1:93:A:GLY:N	4	2.24	1.44	1.58
(1,95)	1:77:A:LEU:C	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	4	2.16	0.35	2.25
(1,187)	1:129:A:THR:C	1:130:A:ASN:N	1:130:A:ASN:CA	1:130:A:ASN:C	4	2.09	0.24	1.98
(1,106)	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	1:84:A:GLY:N	4	1.88	0.8	1.56
(1,85)	1:72:A:PRO:C	1:73:A:TYR:N	1:73:A:TYR:CA	1:73:A:TYR:C	4	1.87	0.65	1.66
(1,188)	1:130:A:ASN:N	1:130:A:ASN:CA	1:130:A:ASN:C	1:131:A:THR:N	4	1.7	0.26	1.66
(1,133)	1:99:A:LYS:C	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	4	1.5	0.32	1.38
(1,165)	1:116:A:GLU:C	1:117:A:ASP:N	1:117:A:ASP:CA	1:117:A:ASP:C	4	1.3	0.21	1.29
(1,202)	1:137:A:GLY:N	1:137:A:GLY:CA	1:137:A:GLY:C	1:138:A:GLU:N	4	1.29	0.08	1.28
(1,267)	1:173:A:VAL:C	1:174:A:ILE:N	1:174:A:ILE:CA	1:174:A:ILE:C	4	1.28	0.11	1.28
(1,49)	1:54:A:GLN:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	4	1.24	0.1	1.24
(1,121)	1:91:A:ALA:C	1:92:A:LEU:N	1:92:A:LEU:CA	1:92:A:LEU:C	3	7.19	4.35	9.99
(1,120)	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	1:92:A:LEU:N	3	6.09	2.63	7.49
(1,116)	1:89:A:SER:N	1:89:A:SER:CA	1:89:A:SER:C	1:90:A:THR:N	3	5.68	3.03	7.67
(1,124)	1:95:A:PHE:N	1:95:A:PHE:CA	1:95:A:PHE:C	1:96:A:SER:N	3	3.87	0.45	3.65
(1,44)	1:50:A:TRP:N	1:50:A:TRP:CA	1:50:A:TRP:C	1:51:A:ILE:N	3	3.81	0.25	3.77
(1,45)	1:50:A:TRP:C	1:51:A:ILE:N	1:51:A:ILE:CA	1:51:A:ILE:C	3	3.37	0.23	3.48
(1,125)	1:95:A:PHE:C	1:96:A:SER:N	1:96:A:SER:CA	1:96:A:SER:C	3	3.25	0.39	3.13
(1,92)	1:76:A:TYR:N	1:76:A:TYR:CA	1:76:A:TYR:C	1:77:A:LEU:N	3	2.44	1.57	1.6
(1,241)	1:159:A:PHE:C	1:160:A:TYR:N	1:160:A:TYR:CA	1:160:A:TYR:C	3	2.31	0.19	2.18
(1,86)	1:73:A:TYR:N	1:73:A:TYR:CA	1:73:A:TYR:C	1:74:A:PHE:N	3	2.04	0.61	1.98
(1,25)	1:33:A:THR:C	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	3	1.89	0.54	1.76
(1,131)	1:98:A:THR:C	1:99:A:LYS:N	1:99:A:LYS:CA	1:99:A:LYS:C	3	1.73	0.38	1.88
(1,189)	1:130:A:ASN:C	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	3	1.55	0.28	1.45
(1,184)	1:127:A:GLY:N	1:127:A:GLY:CA	1:127:A:GLY:C	1:128:A:TYR:N	3	1.53	0.14	1.51
(1,126)	1:96:A:SER:N	1:96:A:SER:CA	1:96:A:SER:C	1:97:A:GLU:N	3	1.51	0.04	1.5
(1,212)	1:144:A:VAL:N	1:144:A:VAL:CA	1:144:A:VAL:C	1:145:A:TYR:N	3	1.5	0.3	1.63
(1,3)	1:22:A:PRO:C	1:23:A:ILE:N	1:23:A:ILE:CA	1:23:A:ILE:C	3	1.48	0.35	1.35
(1,169)	1:118:A:ILE:C	1:119:A:ALA:N	1:119:A:ALA:CA	1:119:A:ALA:C	3	1.4	0.4	1.22
(1,73)	1:66:A:ASN:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	3	1.22	0.15	1.17
(1,113)	1:86:A:GLU:C	1:87:A:THR:N	1:87:A:THR:CA	1:87:A:THR:C	2	3.26	1.36	3.26
(1,252)	1:165:A:GLY:N	1:165:A:GLY:CA	1:165:A:GLY:C	1:166:A:MET:N	2	2.58	0.17	2.58
(1,111)	1:85:A:TYR:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	2	2.46	0.96	2.46
(1,107)	1:83:A:SER:C	1:84:A:GLY:N	1:84:A:GLY:CA	1:84:A:GLY:C	2	2.22	0.84	2.22
(1,87)	1:73:A:TYR:C	1:74:A:PHE:N	1:74:A:PHE:CA	1:74:A:PHE:C	2	1.73	0.71	1.73
(1,177)	1:122:A:TYR:C	1:123:A:PRO:N	1:123:A:PRO:CA	1:123:A:PRO:C	2	1.5	0.4	1.5
(1,118)	1:90:A:THR:N	1:90:A:THR:CA	1:90:A:THR:C	1:91:A:ALA:N	2	1.46	0.29	1.46
(1,84)	1:72:A:PRO:N	1:72:A:PRO:CA	1:72:A:PRO:C	1:73:A:TYR:N	2	1.45	0.24	1.45
(1,148)	1:108:A:SER:N	1:108:A:SER:CA	1:108:A:SER:C	1:109:A:ALA:N	2	1.32	0.21	1.32
(1,173)	1:120:A:VAL:C	1:121:A:LEU:N	1:121:A:LEU:CA	1:121:A:LEU:C	2	1.3	0.15	1.3
(1,215)	1:146:A:ASN:C	1:147:A:GLU:N	1:147:A:GLU:CA	1:147:A:GLU:C	2	1.3	0.08	1.3
(1,146)	1:106:A:ASN:N	1:106:A:ASN:CA	1:106:A:ASN:C	1:107:A:PRO:N	2	1.18	0.16	1.18
(1,195)	1:133:A:ILE:C	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	2	1.11	0.06	1.11
(1,119)	1:90:A:THR:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	2	1.06	0.06	1.06

[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

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 (°)
(1,226)	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	1:153:A:ILE:N	10	43.26
(1,226)	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	1:153:A:ILE:N	6	43.13
(1,222)	1:150:A:PRO:N	1:150:A:PRO:CA	1:150:A:PRO:C	1:151:A:VAL:N	8	41.94
(1,222)	1:150:A:PRO:N	1:150:A:PRO:CA	1:150:A:PRO:C	1:151:A:VAL:N	4	40.62
(1,222)	1:150:A:PRO:N	1:150:A:PRO:CA	1:150:A:PRO:C	1:151:A:VAL:N	9	40.52
(1,222)	1:150:A:PRO:N	1:150:A:PRO:CA	1:150:A:PRO:C	1:151:A:VAL:N	3	40.34
(1,222)	1:150:A:PRO:N	1:150:A:PRO:CA	1:150:A:PRO:C	1:151:A:VAL:N	5	40.21
(1,222)	1:150:A:PRO:N	1:150:A:PRO:CA	1:150:A:PRO:C	1:151:A:VAL:N	1	40.03
(1,222)	1:150:A:PRO:N	1:150:A:PRO:CA	1:150:A:PRO:C	1:151:A:VAL:N	7	39.99
(1,222)	1:150:A:PRO:N	1:150:A:PRO:CA	1:150:A:PRO:C	1:151:A:VAL:N	2	39.91
(1,222)	1:150:A:PRO:N	1:150:A:PRO:CA	1:150:A:PRO:C	1:151:A:VAL:N	10	39.81

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,222)	1:150:A:PRO:N	1:150:A:PRO:CA	1:150:A:PRO:C	1:151:A:VAL:N	6	39.66
(1,226)	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	1:153:A:ILE:N	3	37.22
(1,226)	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	1:153:A:ILE:N	8	36.78
(1,226)	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	1:153:A:ILE:N	2	36.68
(1,14)	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	1:29:A:LEU:N	2	36.14
(1,226)	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	1:153:A:ILE:N	4	36.0
(1,157)	1:112:A:VAL:C	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	7	35.94
(1,14)	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	1:29:A:LEU:N	10	35.94
(1,14)	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	1:29:A:LEU:N	5	35.91
(1,14)	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	1:29:A:LEU:N	8	35.91
(1,14)	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	1:29:A:LEU:N	7	35.86
(1,14)	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	1:29:A:LEU:N	9	35.86
(1,157)	1:112:A:VAL:C	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	6	35.84
(1,14)	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	1:29:A:LEU:N	4	35.75
(1,157)	1:112:A:VAL:C	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	3	35.72
(1,157)	1:112:A:VAL:C	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	10	35.67
(1,157)	1:112:A:VAL:C	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	8	35.61
(1,14)	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	1:29:A:LEU:N	6	35.61
(1,14)	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	1:29:A:LEU:N	1	35.54
(1,157)	1:112:A:VAL:C	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	4	35.53
(1,14)	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	1:29:A:LEU:N	3	35.51
(1,226)	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	1:153:A:ILE:N	9	35.48
(1,226)	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	1:153:A:ILE:N	7	35.46
(1,226)	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	1:153:A:ILE:N	1	35.36
(1,157)	1:112:A:VAL:C	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	9	35.33
(1,226)	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	1:153:A:ILE:N	5	35.31
(1,157)	1:112:A:VAL:C	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	2	35.27
(1,157)	1:112:A:VAL:C	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	5	35.11
(1,157)	1:112:A:VAL:C	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1	32.8
(1,9)	1:25:A:VAL:C	1:26:A:GLU:N	1:26:A:GLU:CA	1:26:A:GLU:C	10	21.35
(1,9)	1:25:A:VAL:C	1:26:A:GLU:N	1:26:A:GLU:CA	1:26:A:GLU:C	3	17.55
(1,9)	1:25:A:VAL:C	1:26:A:GLU:N	1:26:A:GLU:CA	1:26:A:GLU:C	7	17.31
(1,9)	1:25:A:VAL:C	1:26:A:GLU:N	1:26:A:GLU:CA	1:26:A:GLU:C	9	16.44
(1,9)	1:25:A:VAL:C	1:26:A:GLU:N	1:26:A:GLU:CA	1:26:A:GLU:C	5	14.64
(1,9)	1:25:A:VAL:C	1:26:A:GLU:N	1:26:A:GLU:CA	1:26:A:GLU:C	6	14.52
(1,9)	1:25:A:VAL:C	1:26:A:GLU:N	1:26:A:GLU:CA	1:26:A:GLU:C	2	14.31
(1,9)	1:25:A:VAL:C	1:26:A:GLU:N	1:26:A:GLU:CA	1:26:A:GLU:C	8	14.13
(1,9)	1:25:A:VAL:C	1:26:A:GLU:N	1:26:A:GLU:CA	1:26:A:GLU:C	1	14.1
(1,9)	1:25:A:VAL:C	1:26:A:GLU:N	1:26:A:GLU:CA	1:26:A:GLU:C	4	13.45
(1,121)	1:91:A:ALA:C	1:92:A:LEU:N	1:92:A:LEU:CA	1:92:A:LEU:C	9	10.53
(1,121)	1:91:A:ALA:C	1:92:A:LEU:N	1:92:A:LEU:CA	1:92:A:LEU:C	2	9.99
(1,120)	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	1:92:A:LEU:N	2	8.38
(1,116)	1:89:A:SER:N	1:89:A:SER:CA	1:89:A:SER:C	1:90:A:THR:N	9	7.98
(1,116)	1:89:A:SER:N	1:89:A:SER:CA	1:89:A:SER:C	1:90:A:THR:N	2	7.67
(1,196)	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	1:135:A:VAL:N	7	7.66
(1,120)	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	1:92:A:LEU:N	9	7.49
(1,5)	1:23:A:ILE:C	1:24:A:ASP:N	1:24:A:ASP:CA	1:24:A:ASP:C	10	7.44
(1,78)	1:69:A:GLN:N	1:69:A:GLN:CA	1:69:A:GLN:C	1:70:A:LEU:N	9	7.04
(1,24)	1:33:A:THR:N	1:33:A:THR:CA	1:33:A:THR:C	1:34:A:PRO:N	10	6.85
(1,196)	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	1:135:A:VAL:N	1	6.81
(1,93)	1:76:A:TYR:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	10	6.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,24)	1:33:A:THR:N	1:33:A:THR:CA	1:33:A:THR:C	1:34:A:PRO:N	9	6.32
(1,78)	1:69:A:GLN:N	1:69:A:GLN:CA	1:69:A:GLN:C	1:70:A:LEU:N	10	6.28
(1,196)	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	1:135:A:VAL:N	5	6.26
(1,196)	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	1:135:A:VAL:N	6	6.22
(1,117)	1:89:A:SER:C	1:90:A:THR:N	1:90:A:THR:CA	1:90:A:THR:C	9	6.2
(1,204)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	7	6.05
(1,196)	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	1:135:A:VAL:N	8	6.05
(1,196)	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	1:135:A:VAL:N	4	6.04
(1,204)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	3	6.03
(1,196)	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	1:135:A:VAL:N	10	6.01
(1,204)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	8	5.88
(1,24)	1:33:A:THR:N	1:33:A:THR:CA	1:33:A:THR:C	1:34:A:PRO:N	1	5.87
(1,204)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	4	5.78
(1,223)	1:150:A:PRO:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	8	5.73
(1,24)	1:33:A:THR:N	1:33:A:THR:CA	1:33:A:THR:C	1:34:A:PRO:N	5	5.72
(1,204)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	9	5.64
(1,204)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	10	5.63
(1,200)	1:136:A:PRO:N	1:136:A:PRO:CA	1:136:A:PRO:C	1:137:A:GLY:N	7	5.56
(1,196)	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	1:135:A:VAL:N	2	5.56
(1,24)	1:33:A:THR:N	1:33:A:THR:CA	1:33:A:THR:C	1:34:A:PRO:N	3	5.55
(1,204)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	6	5.31
(1,196)	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	1:135:A:VAL:N	3	5.21
(1,204)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	1	5.13
(1,79)	1:69:A:GLN:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	9	5.11
(1,204)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	2	5.1
(1,196)	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	1:135:A:VAL:N	9	5.09
(1,223)	1:150:A:PRO:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	3	5.05
(1,204)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	5	4.96
(1,52)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:ASP:N	6	4.93
(1,24)	1:33:A:THR:N	1:33:A:THR:CA	1:33:A:THR:C	1:34:A:PRO:N	6	4.91
(1,117)	1:89:A:SER:C	1:90:A:THR:N	1:90:A:THR:CA	1:90:A:THR:C	2	4.86
(1,223)	1:150:A:PRO:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	4	4.85
(1,223)	1:150:A:PRO:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	7	4.84
(1,82)	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	1:72:A:PRO:N	5	4.79
(1,12)	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	1:28:A:HIS:N	3	4.75
(1,223)	1:150:A:PRO:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	5	4.71
(1,122)	1:92:A:LEU:N	1:92:A:LEU:CA	1:92:A:LEU:C	1:93:A:GLY:N	7	4.7
(1,24)	1:33:A:THR:N	1:33:A:THR:CA	1:33:A:THR:C	1:34:A:PRO:N	8	4.66
(1,223)	1:150:A:PRO:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	1	4.64
(1,92)	1:76:A:TYR:N	1:76:A:TYR:CA	1:76:A:TYR:C	1:77:A:LEU:N	10	4.64
(1,113)	1:86:A:GLU:C	1:87:A:THR:N	1:87:A:THR:CA	1:87:A:THR:C	9	4.61
(1,24)	1:33:A:THR:N	1:33:A:THR:CA	1:33:A:THR:C	1:34:A:PRO:N	7	4.61
(1,83)	1:71:A:LYS:C	1:72:A:PRO:N	1:72:A:PRO:CA	1:72:A:PRO:C	5	4.57
(1,24)	1:33:A:THR:N	1:33:A:THR:CA	1:33:A:THR:C	1:34:A:PRO:N	4	4.51
(1,7)	1:24:A:ASP:C	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	1	4.51
(1,124)	1:95:A:PHE:N	1:95:A:PHE:CA	1:95:A:PHE:C	1:96:A:SER:N	7	4.5
(1,81)	1:70:A:LEU:C	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	8	4.48
(1,160)	1:114:A:ASP:N	1:114:A:ASP:CA	1:114:A:ASP:C	1:115:A:LYS:N	6	4.44
(1,96)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:ILE:N	9	4.44
(1,7)	1:24:A:ASP:C	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	3	4.39
(1,223)	1:150:A:PRO:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	10	4.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,96)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:ILE:N	6	4.37
(1,7)	1:24:A:ASP:C	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	7	4.36
(1,7)	1:24:A:ASP:C	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	9	4.33
(1,223)	1:150:A:PRO:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	9	4.3
(1,259)	1:169:A:ASP:C	1:170:A:SER:N	1:170:A:SER:CA	1:170:A:SER:C	2	4.27
(1,176)	1:122:A:TYR:N	1:122:A:TYR:CA	1:122:A:TYR:C	1:123:A:PRO:N	1	4.23
(1,7)	1:24:A:ASP:C	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	8	4.21
(1,12)	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	1:28:A:HIS:N	1	4.17
(1,7)	1:24:A:ASP:C	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	2	4.17
(1,105)	1:82:A:THR:C	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	2	4.14
(1,96)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:ILE:N	1	4.13
(1,44)	1:50:A:TRP:N	1:50:A:TRP:CA	1:50:A:TRP:C	1:51:A:ILE:N	7	4.13
(1,13)	1:27:A:SER:C	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	3	4.06
(1,7)	1:24:A:ASP:C	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	4	4.02
(1,12)	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	1:28:A:HIS:N	7	3.99
(1,69)	1:64:A:LEU:C	1:65:A:ALA:N	1:65:A:ALA:CA	1:65:A:ALA:C	2	3.98
(1,53)	1:56:A:ASN:C	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	3	3.98
(1,223)	1:150:A:PRO:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	6	3.91
(1,12)	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	1:28:A:HIS:N	9	3.9
(1,249)	1:163:A:LYS:C	1:164:A:GLU:N	1:164:A:GLU:CA	1:164:A:GLU:C	2	3.87
(1,223)	1:150:A:PRO:C	1:151:A:VAL:N	1:151:A:VAL:CA	1:151:A:VAL:C	2	3.87
(1,12)	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	1:28:A:HIS:N	10	3.81
(1,96)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:ILE:N	5	3.8
(1,125)	1:95:A:PHE:C	1:96:A:SER:N	1:96:A:SER:CA	1:96:A:SER:C	7	3.77
(1,82)	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	1:72:A:PRO:N	3	3.77
(1,44)	1:50:A:TRP:N	1:50:A:TRP:CA	1:50:A:TRP:C	1:51:A:ILE:N	4	3.77
(1,7)	1:24:A:ASP:C	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	5	3.75
(1,206)	1:141:A:LYS:N	1:141:A:LYS:CA	1:141:A:LYS:C	1:142:A:ILE:N	7	3.72
(1,24)	1:33:A:THR:N	1:33:A:THR:CA	1:33:A:THR:C	1:34:A:PRO:N	2	3.68
(1,96)	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	1:79:A:ILE:N	2	3.66
(1,7)	1:24:A:ASP:C	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	10	3.66
(1,124)	1:95:A:PHE:N	1:95:A:PHE:CA	1:95:A:PHE:C	1:96:A:SER:N	6	3.65
(1,26)	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	1:35:A:ALA:N	7	3.63
(1,12)	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	1:28:A:HIS:N	5	3.61
(1,45)	1:50:A:TRP:C	1:51:A:ILE:N	1:51:A:ILE:CA	1:51:A:ILE:C	7	3.59
(1,44)	1:50:A:TRP:N	1:50:A:TRP:CA	1:50:A:TRP:C	1:51:A:ILE:N	6	3.52
(1,45)	1:50:A:TRP:C	1:51:A:ILE:N	1:51:A:ILE:CA	1:51:A:ILE:C	4	3.48
(1,253)	1:165:A:GLY:C	1:166:A:MET:N	1:166:A:MET:CA	1:166:A:MET:C	4	3.47
(1,124)	1:95:A:PHE:N	1:95:A:PHE:CA	1:95:A:PHE:C	1:96:A:SER:N	3	3.47
(1,76)	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	1:69:A:GLN:N	5	3.45
(1,12)	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	1:28:A:HIS:N	4	3.45
(1,176)	1:122:A:TYR:N	1:122:A:TYR:CA	1:122:A:TYR:C	1:123:A:PRO:N	9	3.44
(1,12)	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	1:28:A:HIS:N	8	3.43
(1,111)	1:85:A:TYR:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	2	3.41
(1,218)	1:148:A:THR:N	1:148:A:THR:CA	1:148:A:THR:C	1:149:A:LYS:N	4	3.37
(1,13)	1:27:A:SER:C	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	10	3.36
(1,240)	1:159:A:PHE:N	1:159:A:PHE:CA	1:159:A:PHE:C	1:160:A:TYR:N	1	3.35
(1,83)	1:71:A:LYS:C	1:72:A:PRO:N	1:72:A:PRO:CA	1:72:A:PRO:C	3	3.35
(1,78)	1:69:A:GLN:N	1:69:A:GLN:CA	1:69:A:GLN:C	1:70:A:LEU:N	8	3.35
(1,13)	1:27:A:SER:C	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	9	3.29
(1,13)	1:27:A:SER:C	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	7	3.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,93)	1:76:A:TYR:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	6	3.27
(1,13)	1:27:A:SER:C	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	1	3.27
(1,254)	1:166:A:MET:N	1:166:A:MET:CA	1:166:A:MET:C	1:167:A:LEU:N	6	3.25
(1,93)	1:76:A:TYR:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	2	3.23
(1,81)	1:70:A:LEU:C	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	6	3.23
(1,106)	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	1:84:A:GLY:N	2	3.19
(1,254)	1:166:A:MET:N	1:166:A:MET:CA	1:166:A:MET:C	1:167:A:LEU:N	8	3.18
(1,253)	1:165:A:GLY:C	1:166:A:MET:N	1:166:A:MET:CA	1:166:A:MET:C	1	3.17
(1,176)	1:122:A:TYR:N	1:122:A:TYR:CA	1:122:A:TYR:C	1:123:A:PRO:N	6	3.17
(1,207)	1:141:A:LYS:C	1:142:A:ILE:N	1:142:A:ILE:CA	1:142:A:ILE:C	7	3.16
(1,93)	1:76:A:TYR:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	5	3.16
(1,197)	1:134:A:TRP:C	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	1	3.13
(1,125)	1:95:A:PHE:C	1:96:A:SER:N	1:96:A:SER:CA	1:96:A:SER:C	6	3.13
(1,105)	1:82:A:THR:C	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	9	3.11
(1,69)	1:64:A:LEU:C	1:65:A:ALA:N	1:65:A:ALA:CA	1:65:A:ALA:C	1	3.1
(1,68)	1:64:A:LEU:N	1:64:A:LEU:CA	1:64:A:LEU:C	1:65:A:ALA:N	2	3.1
(1,80)	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	1:71:A:LYS:N	8	3.09
(1,12)	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	1:28:A:HIS:N	6	3.09
(1,240)	1:159:A:PHE:N	1:159:A:PHE:CA	1:159:A:PHE:C	1:160:A:TYR:N	6	3.08
(1,107)	1:83:A:SER:C	1:84:A:GLY:N	1:84:A:GLY:CA	1:84:A:GLY:C	2	3.05
(1,45)	1:50:A:TRP:C	1:51:A:ILE:N	1:51:A:ILE:CA	1:51:A:ILE:C	6	3.05
(1,7)	1:24:A:ASP:C	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	6	3.04
(1,219)	1:148:A:THR:C	1:149:A:LYS:N	1:149:A:LYS:CA	1:149:A:LYS:C	4	3.02
(1,13)	1:27:A:SER:C	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	4	3.02
(1,69)	1:64:A:LEU:C	1:65:A:ALA:N	1:65:A:ALA:CA	1:65:A:ALA:C	7	3.01
(1,13)	1:27:A:SER:C	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	6	2.97
(1,186)	1:129:A:THR:N	1:129:A:THR:CA	1:129:A:THR:C	1:130:A:ASN:N	6	2.95
(1,186)	1:129:A:THR:N	1:129:A:THR:CA	1:129:A:THR:C	1:130:A:ASN:N	9	2.94
(1,93)	1:76:A:TYR:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	9	2.93
(1,85)	1:72:A:PRO:C	1:73:A:TYR:N	1:73:A:TYR:CA	1:73:A:TYR:C	10	2.92
(1,53)	1:56:A:ASN:C	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	10	2.92
(1,22)	1:32:A:ILE:N	1:32:A:ILE:CA	1:32:A:ILE:C	1:33:A:THR:N	5	2.9
(1,83)	1:71:A:LYS:C	1:72:A:PRO:N	1:72:A:PRO:CA	1:72:A:PRO:C	4	2.87
(1,125)	1:95:A:PHE:C	1:96:A:SER:N	1:96:A:SER:CA	1:96:A:SER:C	3	2.85
(1,75)	1:67:A:ALA:C	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	10	2.85
(1,22)	1:32:A:ILE:N	1:32:A:ILE:CA	1:32:A:ILE:C	1:33:A:THR:N	6	2.85
(1,176)	1:122:A:TYR:N	1:122:A:TYR:CA	1:122:A:TYR:C	1:123:A:PRO:N	4	2.84
(1,11)	1:26:A:GLU:C	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	10	2.84
(1,53)	1:56:A:ASN:C	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	9	2.83
(1,253)	1:165:A:GLY:C	1:166:A:MET:N	1:166:A:MET:CA	1:166:A:MET:C	10	2.82
(1,105)	1:82:A:THR:C	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	3	2.82
(1,12)	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	1:28:A:HIS:N	2	2.82
(1,86)	1:73:A:TYR:N	1:73:A:TYR:CA	1:73:A:TYR:C	1:74:A:PHE:N	6	2.81
(1,53)	1:56:A:ASN:C	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	8	2.81
(1,22)	1:32:A:ILE:N	1:32:A:ILE:CA	1:32:A:ILE:C	1:33:A:THR:N	1	2.8
(1,75)	1:67:A:ALA:C	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	3	2.77
(1,11)	1:26:A:GLU:C	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	3	2.77
(1,252)	1:165:A:GLY:N	1:165:A:GLY:CA	1:165:A:GLY:C	1:166:A:MET:N	10	2.75
(1,53)	1:56:A:ASN:C	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	4	2.74
(1,248)	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	1:164:A:GLU:N	2	2.73
(1,127)	1:96:A:SER:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	5	2.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,22)	1:32:A:ILE:N	1:32:A:ILE:CA	1:32:A:ILE:C	1:33:A:THR:N	9	2.72
(1,77)	1:68:A:GLU:C	1:69:A:GLN:N	1:69:A:GLN:CA	1:69:A:GLN:C	8	2.71
(1,160)	1:114:A:ASP:N	1:114:A:ASP:CA	1:114:A:ASP:C	1:115:A:LYS:N	7	2.7
(1,13)	1:27:A:SER:C	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	8	2.7
(1,26)	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	1:35:A:ALA:N	6	2.69
(1,127)	1:96:A:SER:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	9	2.67
(1,197)	1:134:A:TRP:C	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	5	2.65
(1,197)	1:134:A:TRP:C	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	7	2.64
(1,186)	1:129:A:THR:N	1:129:A:THR:CA	1:129:A:THR:C	1:130:A:ASN:N	4	2.64
(1,172)	1:120:A:VAL:N	1:120:A:VAL:CA	1:120:A:VAL:C	1:121:A:LEU:N	4	2.64
(1,240)	1:159:A:PHE:N	1:159:A:PHE:CA	1:159:A:PHE:C	1:160:A:TYR:N	2	2.62
(1,176)	1:122:A:TYR:N	1:122:A:TYR:CA	1:122:A:TYR:C	1:123:A:PRO:N	3	2.62
(1,53)	1:56:A:ASN:C	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	5	2.62
(1,25)	1:33:A:THR:C	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	10	2.6
(1,93)	1:76:A:TYR:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	1	2.59
(1,241)	1:159:A:PHE:C	1:160:A:TYR:N	1:160:A:TYR:CA	1:160:A:TYR:C	1	2.58
(1,20)	1:31:A:SER:N	1:31:A:SER:CA	1:31:A:SER:C	1:32:A:ILE:N	8	2.58
(1,213)	1:144:A:VAL:C	1:145:A:TYR:N	1:145:A:TYR:CA	1:145:A:TYR:C	9	2.57
(1,75)	1:67:A:ALA:C	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	5	2.56
(1,69)	1:64:A:LEU:C	1:65:A:ALA:N	1:65:A:ALA:CA	1:65:A:ALA:C	6	2.56
(1,95)	1:77:A:LEU:C	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	4	2.54
(1,79)	1:69:A:GLN:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	7	2.52
(1,213)	1:144:A:VAL:C	1:145:A:TYR:N	1:145:A:TYR:CA	1:145:A:TYR:C	4	2.51
(1,206)	1:141:A:LYS:N	1:141:A:LYS:CA	1:141:A:LYS:C	1:142:A:ILE:N	3	2.51
(1,83)	1:71:A:LYS:C	1:72:A:PRO:N	1:72:A:PRO:CA	1:72:A:PRO:C	2	2.51
(1,254)	1:166:A:MET:N	1:166:A:MET:CA	1:166:A:MET:C	1:167:A:LEU:N	7	2.5
(1,218)	1:148:A:THR:N	1:148:A:THR:CA	1:148:A:THR:C	1:149:A:LYS:N	5	2.5
(1,187)	1:129:A:THR:C	1:130:A:ASN:N	1:130:A:ASN:CA	1:130:A:ASN:C	9	2.5
(1,172)	1:120:A:VAL:N	1:120:A:VAL:CA	1:120:A:VAL:C	1:121:A:LEU:N	6	2.5
(1,176)	1:122:A:TYR:N	1:122:A:TYR:CA	1:122:A:TYR:C	1:123:A:PRO:N	8	2.49
(1,93)	1:76:A:TYR:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	7	2.48
(1,197)	1:134:A:TRP:C	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	6	2.47
(1,127)	1:96:A:SER:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	6	2.47
(1,13)	1:27:A:SER:C	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	5	2.47
(1,249)	1:163:A:LYS:C	1:164:A:GLU:N	1:164:A:GLU:CA	1:164:A:GLU:C	10	2.45
(1,213)	1:144:A:VAL:C	1:145:A:TYR:N	1:145:A:TYR:CA	1:145:A:TYR:C	10	2.44
(1,105)	1:82:A:THR:C	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	7	2.44
(1,87)	1:73:A:TYR:C	1:74:A:PHE:N	1:74:A:PHE:CA	1:74:A:PHE:C	2	2.44
(1,252)	1:165:A:GLY:N	1:165:A:GLY:CA	1:165:A:GLY:C	1:166:A:MET:N	4	2.42
(1,186)	1:129:A:THR:N	1:129:A:THR:CA	1:129:A:THR:C	1:130:A:ASN:N	1	2.42
(1,105)	1:82:A:THR:C	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	4	2.42
(1,20)	1:31:A:SER:N	1:31:A:SER:CA	1:31:A:SER:C	1:32:A:ILE:N	5	2.42
(1,120)	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	1:92:A:LEU:N	10	2.4
(1,83)	1:71:A:LYS:C	1:72:A:PRO:N	1:72:A:PRO:CA	1:72:A:PRO:C	6	2.4
(1,26)	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	1:35:A:ALA:N	5	2.4
(1,13)	1:27:A:SER:C	1:28:A:HIS:N	1:28:A:HIS:CA	1:28:A:HIS:C	2	2.4
(1,206)	1:141:A:LYS:N	1:141:A:LYS:CA	1:141:A:LYS:C	1:142:A:ILE:N	6	2.39
(1,47)	1:51:A:ILE:C	1:52:A:LYS:N	1:52:A:LYS:CA	1:52:A:LYS:C	5	2.39
(1,42)	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	1:50:A:TRP:N	5	2.39
(1,218)	1:148:A:THR:N	1:148:A:THR:CA	1:148:A:THR:C	1:149:A:LYS:N	3	2.38
(1,53)	1:56:A:ASN:C	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	7	2.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,11)	1:26:A:GLU:C	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	6	2.38
(1,47)	1:51:A:ILE:C	1:52:A:LYS:N	1:52:A:LYS:CA	1:52:A:LYS:C	8	2.37
(1,11)	1:26:A:GLU:C	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	9	2.37
(1,11)	1:26:A:GLU:C	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	7	2.36
(1,263)	1:171:A:LEU:C	1:172:A:PRO:N	1:172:A:PRO:CA	1:172:A:PRO:C	10	2.34
(1,47)	1:51:A:ILE:C	1:52:A:LYS:N	1:52:A:LYS:CA	1:52:A:LYS:C	10	2.34
(1,8)	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	1:26:A:GLU:N	10	2.34
(1,95)	1:77:A:LEU:C	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	10	2.33
(1,225)	1:151:A:VAL:C	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	2	2.32
(1,127)	1:96:A:SER:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	3	2.31
(1,114)	1:87:A:THR:N	1:87:A:THR:CA	1:87:A:THR:C	1:88:A:ASN:N	2	2.31
(1,207)	1:141:A:LYS:C	1:142:A:ILE:N	1:142:A:ILE:CA	1:142:A:ILE:C	3	2.3
(1,127)	1:96:A:SER:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	2	2.3
(1,255)	1:166:A:MET:C	1:167:A:LEU:N	1:167:A:LEU:CA	1:167:A:LEU:C	8	2.29
(1,237)	1:157:A:LYS:C	1:158:A:ALA:N	1:158:A:ALA:CA	1:158:A:ALA:C	1	2.29
(1,237)	1:157:A:LYS:C	1:158:A:ALA:N	1:158:A:ALA:CA	1:158:A:ALA:C	4	2.29
(1,75)	1:67:A:ALA:C	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	7	2.29
(1,104)	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	1:83:A:SER:N	2	2.28
(1,253)	1:165:A:GLY:C	1:166:A:MET:N	1:166:A:MET:CA	1:166:A:MET:C	9	2.27
(1,213)	1:144:A:VAL:C	1:145:A:TYR:N	1:145:A:TYR:CA	1:145:A:TYR:C	5	2.27
(1,52)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:ASP:N	3	2.27
(1,244)	1:161:A:GLU:N	1:161:A:GLU:CA	1:161:A:GLU:C	1:162:A:ALA:N	6	2.26
(1,79)	1:69:A:GLN:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	2	2.26
(1,225)	1:151:A:VAL:C	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	4	2.25
(1,144)	1:105:A:ASP:N	1:105:A:ASP:CA	1:105:A:ASP:C	1:106:A:ASN:N	8	2.25
(1,83)	1:71:A:LYS:C	1:72:A:PRO:N	1:72:A:PRO:CA	1:72:A:PRO:C	1	2.25
(1,26)	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	1:35:A:ALA:N	2	2.24
(1,11)	1:26:A:GLU:C	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	5	2.23
(1,237)	1:157:A:LYS:C	1:158:A:ALA:N	1:158:A:ALA:CA	1:158:A:ALA:C	7	2.22
(1,197)	1:134:A:TRP:C	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	10	2.21
(1,176)	1:122:A:TYR:N	1:122:A:TYR:CA	1:122:A:TYR:C	1:123:A:PRO:N	2	2.21
(1,75)	1:67:A:ALA:C	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	4	2.21
(1,82)	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	1:72:A:PRO:N	1	2.2
(1,69)	1:64:A:LEU:C	1:65:A:ALA:N	1:65:A:ALA:CA	1:65:A:ALA:C	3	2.2
(1,46)	1:51:A:ILE:N	1:51:A:ILE:CA	1:51:A:ILE:C	1:52:A:LYS:N	7	2.2
(1,68)	1:64:A:LEU:N	1:64:A:LEU:CA	1:64:A:LEU:C	1:65:A:ALA:N	6	2.19
(1,26)	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	1:35:A:ALA:N	8	2.19
(1,241)	1:159:A:PHE:C	1:160:A:TYR:N	1:160:A:TYR:CA	1:160:A:TYR:C	2	2.18
(1,76)	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	1:69:A:GLN:N	3	2.18
(1,264)	1:172:A:PRO:N	1:172:A:PRO:CA	1:172:A:PRO:C	1:173:A:VAL:N	9	2.17
(1,241)	1:159:A:PHE:C	1:160:A:TYR:N	1:160:A:TYR:CA	1:160:A:TYR:C	6	2.17
(1,206)	1:141:A:LYS:N	1:141:A:LYS:CA	1:141:A:LYS:C	1:142:A:ILE:N	1	2.17
(1,160)	1:114:A:ASP:N	1:114:A:ASP:CA	1:114:A:ASP:C	1:115:A:LYS:N	8	2.17
(1,112)	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	1:87:A:THR:N	9	2.17
(1,95)	1:77:A:LEU:C	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	8	2.17
(1,23)	1:32:A:ILE:C	1:33:A:THR:N	1:33:A:THR:CA	1:33:A:THR:C	2	2.17
(1,219)	1:148:A:THR:C	1:149:A:LYS:N	1:149:A:LYS:CA	1:149:A:LYS:C	5	2.16
(1,203)	1:137:A:GLY:C	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	7	2.16
(1,127)	1:96:A:SER:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	1	2.16
(1,26)	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	1:35:A:ALA:N	9	2.16
(1,11)	1:26:A:GLU:C	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	2	2.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,237)	1:157:A:LYS:C	1:158:A:ALA:N	1:158:A:ALA:CA	1:158:A:ALA:C	2	2.14
(1,82)	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	1:72:A:PRO:N	2	2.13
(1,248)	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	1:164:A:GLU:N	9	2.12
(1,188)	1:130:A:ASN:N	1:130:A:ASN:CA	1:130:A:ASN:C	1:131:A:THR:N	6	2.12
(1,144)	1:105:A:ASP:N	1:105:A:ASP:CA	1:105:A:ASP:C	1:106:A:ASN:N	2	2.12
(1,69)	1:64:A:LEU:C	1:65:A:ALA:N	1:65:A:ALA:CA	1:65:A:ALA:C	4	2.12
(1,69)	1:64:A:LEU:C	1:65:A:ALA:N	1:65:A:ALA:CA	1:65:A:ALA:C	5	2.12
(1,262)	1:171:A:LEU:N	1:171:A:LEU:CA	1:171:A:LEU:C	1:172:A:PRO:N	2	2.11
(1,186)	1:129:A:THR:N	1:129:A:THR:CA	1:129:A:THR:C	1:130:A:ASN:N	3	2.11
(1,144)	1:105:A:ASP:N	1:105:A:ASP:CA	1:105:A:ASP:C	1:106:A:ASN:N	3	2.11
(1,103)	1:81:A:ILE:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	9	2.11
(1,237)	1:157:A:LYS:C	1:158:A:ALA:N	1:158:A:ALA:CA	1:158:A:ALA:C	8	2.1
(1,131)	1:98:A:THR:C	1:99:A:LYS:N	1:99:A:LYS:CA	1:99:A:LYS:C	8	2.1
(1,26)	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	1:35:A:ALA:N	3	2.1
(1,127)	1:96:A:SER:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	4	2.09
(1,104)	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	1:83:A:SER:N	9	2.09
(1,11)	1:26:A:GLU:C	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	4	2.09
(1,117)	1:89:A:SER:C	1:90:A:THR:N	1:90:A:THR:CA	1:90:A:THR:C	10	2.08
(1,46)	1:51:A:ILE:N	1:51:A:ILE:CA	1:51:A:ILE:C	1:52:A:LYS:N	4	2.08
(1,240)	1:159:A:PHE:N	1:159:A:PHE:CA	1:159:A:PHE:C	1:160:A:TYR:N	7	2.07
(1,207)	1:141:A:LYS:C	1:142:A:ILE:N	1:142:A:ILE:CA	1:142:A:ILE:C	1	2.06
(1,26)	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	1:35:A:ALA:N	4	2.06
(1,218)	1:148:A:THR:N	1:148:A:THR:CA	1:148:A:THR:C	1:149:A:LYS:N	1	2.05
(1,75)	1:67:A:ALA:C	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	9	2.05
(1,26)	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	1:35:A:ALA:N	1	2.05
(1,160)	1:114:A:ASP:N	1:114:A:ASP:CA	1:114:A:ASP:C	1:115:A:LYS:N	1	2.04
(1,133)	1:99:A:LYS:C	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	7	2.04
(1,47)	1:51:A:ILE:C	1:52:A:LYS:N	1:52:A:LYS:CA	1:52:A:LYS:C	3	2.04
(1,187)	1:129:A:THR:C	1:130:A:ASN:N	1:130:A:ASN:CA	1:130:A:ASN:C	4	2.03
(1,82)	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	1:72:A:PRO:N	7	2.03
(1,227)	1:152:A:ALA:C	1:153:A:ILE:N	1:153:A:ILE:CA	1:153:A:ILE:C	2	2.02
(1,144)	1:105:A:ASP:N	1:105:A:ASP:CA	1:105:A:ASP:C	1:106:A:ASN:N	5	2.02
(1,75)	1:67:A:ALA:C	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	8	2.02
(1,83)	1:71:A:LYS:C	1:72:A:PRO:N	1:72:A:PRO:CA	1:72:A:PRO:C	9	2.01
(1,78)	1:69:A:GLN:N	1:69:A:GLN:CA	1:69:A:GLN:C	1:70:A:LEU:N	6	2.01
(1,53)	1:56:A:ASN:C	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	2	2.01
(1,79)	1:69:A:GLN:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	10	2.0
(1,127)	1:96:A:SER:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	10	1.99
(1,144)	1:105:A:ASP:N	1:105:A:ASP:CA	1:105:A:ASP:C	1:106:A:ASN:N	7	1.98
(1,86)	1:73:A:TYR:N	1:73:A:TYR:CA	1:73:A:TYR:C	1:74:A:PHE:N	2	1.98
(1,249)	1:163:A:LYS:C	1:164:A:GLU:N	1:164:A:GLU:CA	1:164:A:GLU:C	5	1.97
(1,261)	1:170:A:SER:C	1:171:A:LEU:N	1:171:A:LEU:CA	1:171:A:LEU:C	9	1.96
(1,249)	1:163:A:LYS:C	1:164:A:GLU:N	1:164:A:GLU:CA	1:164:A:GLU:C	3	1.96
(1,176)	1:122:A:TYR:N	1:122:A:TYR:CA	1:122:A:TYR:C	1:123:A:PRO:N	10	1.96
(1,169)	1:118:A:ILE:C	1:119:A:ALA:N	1:119:A:ALA:CA	1:119:A:ALA:C	6	1.96
(1,47)	1:51:A:ILE:C	1:52:A:LYS:N	1:52:A:LYS:CA	1:52:A:LYS:C	9	1.96
(1,20)	1:31:A:SER:N	1:31:A:SER:CA	1:31:A:SER:C	1:32:A:ILE:N	2	1.96
(1,3)	1:22:A:PRO:C	1:23:A:ILE:N	1:23:A:ILE:CA	1:23:A:ILE:C	3	1.96
(1,20)	1:31:A:SER:N	1:31:A:SER:CA	1:31:A:SER:C	1:32:A:ILE:N	9	1.95
(1,197)	1:134:A:TRP:C	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	2	1.94
(1,176)	1:122:A:TYR:N	1:122:A:TYR:CA	1:122:A:TYR:C	1:123:A:PRO:N	5	1.94

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,103)	1:81:A:ILE:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	4	1.94
(1,103)	1:81:A:ILE:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	7	1.94
(1,197)	1:134:A:TRP:C	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	8	1.93
(1,189)	1:130:A:ASN:C	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	6	1.93
(1,187)	1:129:A:THR:C	1:130:A:ASN:N	1:130:A:ASN:CA	1:130:A:ASN:C	3	1.93
(1,68)	1:64:A:LEU:N	1:64:A:LEU:CA	1:64:A:LEU:C	1:65:A:ALA:N	1	1.93
(1,8)	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	1:26:A:GLU:N	5	1.93
(1,218)	1:148:A:THR:N	1:148:A:THR:CA	1:148:A:THR:C	1:149:A:LYS:N	7	1.92
(1,187)	1:129:A:THR:C	1:130:A:ASN:N	1:130:A:ASN:CA	1:130:A:ASN:C	1	1.92
(1,176)	1:122:A:TYR:N	1:122:A:TYR:CA	1:122:A:TYR:C	1:123:A:PRO:N	7	1.92
(1,82)	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	1:72:A:PRO:N	6	1.92
(1,249)	1:163:A:LYS:C	1:164:A:GLU:N	1:164:A:GLU:CA	1:164:A:GLU:C	7	1.91
(1,244)	1:161:A:GLU:N	1:161:A:GLU:CA	1:161:A:GLU:C	1:162:A:ALA:N	2	1.91
(1,203)	1:137:A:GLY:C	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	3	1.91
(1,197)	1:134:A:TRP:C	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	4	1.91
(1,177)	1:122:A:TYR:C	1:123:A:PRO:N	1:123:A:PRO:CA	1:123:A:PRO:C	2	1.91
(1,85)	1:72:A:PRO:C	1:73:A:TYR:N	1:73:A:TYR:CA	1:73:A:TYR:C	8	1.91
(1,76)	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	1:69:A:GLN:N	6	1.91
(1,8)	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	1:26:A:GLU:N	6	1.91
(1,259)	1:169:A:ASP:C	1:170:A:SER:N	1:170:A:SER:CA	1:170:A:SER:C	8	1.9
(1,225)	1:151:A:VAL:C	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	5	1.9
(1,113)	1:86:A:GLU:C	1:87:A:THR:N	1:87:A:THR:CA	1:87:A:THR:C	2	1.9
(1,83)	1:71:A:LYS:C	1:72:A:PRO:N	1:72:A:PRO:CA	1:72:A:PRO:C	7	1.9
(1,79)	1:69:A:GLN:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	1	1.9
(1,52)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:ASP:N	4	1.9
(1,249)	1:163:A:LYS:C	1:164:A:GLU:N	1:164:A:GLU:CA	1:164:A:GLU:C	8	1.89
(1,244)	1:161:A:GLU:N	1:161:A:GLU:CA	1:161:A:GLU:C	1:162:A:ALA:N	9	1.89
(1,237)	1:157:A:LYS:C	1:158:A:ALA:N	1:158:A:ALA:CA	1:158:A:ALA:C	3	1.89
(1,219)	1:148:A:THR:C	1:149:A:LYS:N	1:149:A:LYS:CA	1:149:A:LYS:C	3	1.89
(1,207)	1:141:A:LYS:C	1:142:A:ILE:N	1:142:A:ILE:CA	1:142:A:ILE:C	9	1.89
(1,131)	1:98:A:THR:C	1:99:A:LYS:N	1:99:A:LYS:CA	1:99:A:LYS:C	4	1.88
(1,106)	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	1:84:A:GLY:N	3	1.88
(1,263)	1:171:A:LEU:C	1:172:A:PRO:N	1:172:A:PRO:CA	1:172:A:PRO:C	4	1.87
(1,144)	1:105:A:ASP:N	1:105:A:ASP:CA	1:105:A:ASP:C	1:106:A:ASN:N	9	1.87
(1,244)	1:161:A:GLU:N	1:161:A:GLU:CA	1:161:A:GLU:C	1:162:A:ALA:N	5	1.86
(1,144)	1:105:A:ASP:N	1:105:A:ASP:CA	1:105:A:ASP:C	1:106:A:ASN:N	6	1.86
(1,103)	1:81:A:ILE:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	8	1.86
(1,81)	1:70:A:LEU:C	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	2	1.86
(1,160)	1:114:A:ASP:N	1:114:A:ASP:CA	1:114:A:ASP:C	1:115:A:LYS:N	2	1.85
(1,47)	1:51:A:ILE:C	1:52:A:LYS:N	1:52:A:LYS:CA	1:52:A:LYS:C	1	1.85
(1,206)	1:141:A:LYS:N	1:141:A:LYS:CA	1:141:A:LYS:C	1:142:A:ILE:N	10	1.84
(1,97)	1:78:A:GLN:C	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	4	1.84
(1,263)	1:171:A:LEU:C	1:172:A:PRO:N	1:172:A:PRO:CA	1:172:A:PRO:C	5	1.83
(1,255)	1:166:A:MET:C	1:167:A:LEU:N	1:167:A:LEU:CA	1:167:A:LEU:C	7	1.83
(1,47)	1:51:A:ILE:C	1:52:A:LYS:N	1:52:A:LYS:CA	1:52:A:LYS:C	2	1.83
(1,203)	1:137:A:GLY:C	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	4	1.81
(1,127)	1:96:A:SER:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	7	1.81
(1,11)	1:26:A:GLU:C	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	8	1.81
(1,263)	1:171:A:LEU:C	1:172:A:PRO:N	1:172:A:PRO:CA	1:172:A:PRO:C	2	1.8
(1,263)	1:171:A:LEU:C	1:172:A:PRO:N	1:172:A:PRO:CA	1:172:A:PRO:C	3	1.8
(1,255)	1:166:A:MET:C	1:167:A:LEU:N	1:167:A:LEU:CA	1:167:A:LEU:C	2	1.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,219)	1:148:A:THR:C	1:149:A:LYS:N	1:149:A:LYS:CA	1:149:A:LYS:C	7	1.8
(1,237)	1:157:A:LYS:C	1:158:A:ALA:N	1:158:A:ALA:CA	1:158:A:ALA:C	9	1.79
(1,212)	1:144:A:VAL:N	1:144:A:VAL:CA	1:144:A:VAL:C	1:145:A:TYR:N	10	1.79
(1,144)	1:105:A:ASP:N	1:105:A:ASP:CA	1:105:A:ASP:C	1:106:A:ASN:N	1	1.78
(1,68)	1:64:A:LEU:N	1:64:A:LEU:CA	1:64:A:LEU:C	1:65:A:ALA:N	7	1.78
(1,52)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:ASP:N	2	1.78
(1,249)	1:163:A:LYS:C	1:164:A:GLU:N	1:164:A:GLU:CA	1:164:A:GLU:C	6	1.77
(1,240)	1:159:A:PHE:N	1:159:A:PHE:CA	1:159:A:PHE:C	1:160:A:TYR:N	8	1.77
(1,244)	1:161:A:GLU:N	1:161:A:GLU:CA	1:161:A:GLU:C	1:162:A:ALA:N	1	1.76
(1,237)	1:157:A:LYS:C	1:158:A:ALA:N	1:158:A:ALA:CA	1:158:A:ALA:C	5	1.76
(1,237)	1:157:A:LYS:C	1:158:A:ALA:N	1:158:A:ALA:CA	1:158:A:ALA:C	6	1.76
(1,203)	1:137:A:GLY:C	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	10	1.76
(1,25)	1:33:A:THR:C	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	2	1.76
(1,255)	1:166:A:MET:C	1:167:A:LEU:N	1:167:A:LEU:CA	1:167:A:LEU:C	4	1.75
(1,240)	1:159:A:PHE:N	1:159:A:PHE:CA	1:159:A:PHE:C	1:160:A:TYR:N	3	1.75
(1,240)	1:159:A:PHE:N	1:159:A:PHE:CA	1:159:A:PHE:C	1:160:A:TYR:N	5	1.75
(1,118)	1:90:A:THR:N	1:90:A:THR:CA	1:90:A:THR:C	1:91:A:ALA:N	9	1.75
(1,81)	1:70:A:LEU:C	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	1	1.75
(1,81)	1:70:A:LEU:C	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	7	1.75
(1,263)	1:171:A:LEU:C	1:172:A:PRO:N	1:172:A:PRO:CA	1:172:A:PRO:C	8	1.74
(1,237)	1:157:A:LYS:C	1:158:A:ALA:N	1:158:A:ALA:CA	1:158:A:ALA:C	10	1.74
(1,206)	1:141:A:LYS:N	1:141:A:LYS:CA	1:141:A:LYS:C	1:142:A:ILE:N	9	1.74
(1,97)	1:78:A:GLN:C	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	8	1.74
(1,122)	1:92:A:LEU:N	1:92:A:LEU:CA	1:92:A:LEU:C	1:93:A:GLY:N	10	1.73
(1,97)	1:78:A:GLN:C	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	10	1.72
(1,52)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:ASP:N	8	1.72
(1,217)	1:147:A:GLU:C	1:148:A:THR:N	1:148:A:THR:CA	1:148:A:THR:C	8	1.71
(1,206)	1:141:A:LYS:N	1:141:A:LYS:CA	1:141:A:LYS:C	1:142:A:ILE:N	2	1.71
(1,114)	1:87:A:THR:N	1:87:A:THR:CA	1:87:A:THR:C	1:88:A:ASN:N	7	1.71
(1,207)	1:141:A:LYS:C	1:142:A:ILE:N	1:142:A:ILE:CA	1:142:A:ILE:C	10	1.7
(1,203)	1:137:A:GLY:C	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	8	1.7
(1,203)	1:137:A:GLY:C	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	9	1.7
(1,184)	1:127:A:GLY:N	1:127:A:GLY:CA	1:127:A:GLY:C	1:128:A:TYR:N	3	1.7
(1,197)	1:134:A:TRP:C	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	9	1.69
(1,188)	1:130:A:ASN:N	1:130:A:ASN:CA	1:130:A:ASN:C	1:131:A:THR:N	4	1.69
(1,172)	1:120:A:VAL:N	1:120:A:VAL:CA	1:120:A:VAL:C	1:121:A:LEU:N	3	1.69
(1,144)	1:105:A:ASP:N	1:105:A:ASP:CA	1:105:A:ASP:C	1:106:A:ASN:N	10	1.69
(1,114)	1:87:A:THR:N	1:87:A:THR:CA	1:87:A:THR:C	1:88:A:ASN:N	10	1.69
(1,84)	1:72:A:PRO:N	1:72:A:PRO:CA	1:72:A:PRO:C	1:73:A:TYR:N	6	1.69
(1,20)	1:31:A:SER:N	1:31:A:SER:CA	1:31:A:SER:C	1:32:A:ILE:N	6	1.69
(1,75)	1:67:A:ALA:C	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	6	1.68
(1,249)	1:163:A:LYS:C	1:164:A:GLU:N	1:164:A:GLU:CA	1:164:A:GLU:C	9	1.67
(1,81)	1:70:A:LEU:C	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	9	1.67
(1,255)	1:166:A:MET:C	1:167:A:LEU:N	1:167:A:LEU:CA	1:167:A:LEU:C	3	1.66
(1,207)	1:141:A:LYS:C	1:142:A:ILE:N	1:142:A:ILE:CA	1:142:A:ILE:C	6	1.66
(1,259)	1:169:A:ASP:C	1:170:A:SER:N	1:170:A:SER:CA	1:170:A:SER:C	4	1.65
(1,219)	1:148:A:THR:C	1:149:A:LYS:N	1:149:A:LYS:CA	1:149:A:LYS:C	1	1.65
(1,59)	1:59:A:LYS:C	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:C	3	1.65
(1,225)	1:151:A:VAL:C	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	7	1.64
(1,212)	1:144:A:VAL:N	1:144:A:VAL:CA	1:144:A:VAL:C	1:145:A:TYR:N	4	1.63
(1,188)	1:130:A:ASN:N	1:130:A:ASN:CA	1:130:A:ASN:C	1:131:A:THR:N	1	1.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,46)	1:51:A:ILE:N	1:51:A:ILE:CA	1:51:A:ILE:C	1:52:A:LYS:N	6	1.62
(1,258)	1:168:A:PHE:N	1:168:A:PHE:CA	1:168:A:PHE:C	1:169:A:ASP:N	2	1.61
(1,161)	1:114:A:ASP:C	1:115:A:LYS:N	1:115:A:LYS:CA	1:115:A:LYS:C	9	1.61
(1,53)	1:56:A:ASN:C	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1	1.61
(1,52)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:ASP:N	9	1.61
(1,52)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:ASP:N	10	1.61
(1,103)	1:81:A:ILE:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	3	1.6
(1,92)	1:76:A:TYR:N	1:76:A:TYR:CA	1:76:A:TYR:C	1:77:A:LEU:N	2	1.6
(1,8)	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	1:26:A:GLU:N	3	1.6
(1,263)	1:171:A:LEU:C	1:172:A:PRO:N	1:172:A:PRO:CA	1:172:A:PRO:C	9	1.59
(1,255)	1:166:A:MET:C	1:167:A:LEU:N	1:167:A:LEU:CA	1:167:A:LEU:C	6	1.59
(1,183)	1:126:A:THR:C	1:127:A:GLY:N	1:127:A:GLY:CA	1:127:A:GLY:C	8	1.59
(1,172)	1:120:A:VAL:N	1:120:A:VAL:CA	1:120:A:VAL:C	1:121:A:LEU:N	9	1.59
(1,95)	1:77:A:LEU:C	1:78:A:GLN:N	1:78:A:GLN:CA	1:78:A:GLN:C	7	1.59
(1,26)	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	1:35:A:ALA:N	10	1.59
(1,20)	1:31:A:SER:N	1:31:A:SER:CA	1:31:A:SER:C	1:32:A:ILE:N	1	1.59
(1,248)	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	1:164:A:GLU:N	6	1.58
(1,165)	1:116:A:GLU:C	1:117:A:ASP:N	1:117:A:ASP:CA	1:117:A:ASP:C	4	1.58
(1,127)	1:96:A:SER:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	8	1.58
(1,74)	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	1:68:A:GLU:N	4	1.58
(1,206)	1:141:A:LYS:N	1:141:A:LYS:CA	1:141:A:LYS:C	1:142:A:ILE:N	4	1.57
(1,147)	1:107:A:PRO:C	1:108:A:SER:N	1:108:A:SER:CA	1:108:A:SER:C	7	1.56
(1,126)	1:96:A:SER:N	1:96:A:SER:CA	1:96:A:SER:C	1:97:A:GLU:N	9	1.56
(1,213)	1:144:A:VAL:C	1:145:A:TYR:N	1:145:A:TYR:CA	1:145:A:TYR:C	8	1.55
(1,183)	1:126:A:THR:C	1:127:A:GLY:N	1:127:A:GLY:CA	1:127:A:GLY:C	4	1.55
(1,128)	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	1:98:A:THR:N	7	1.55
(1,248)	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	1:164:A:GLU:N	3	1.54
(1,244)	1:161:A:GLU:N	1:161:A:GLU:CA	1:161:A:GLU:C	1:162:A:ALA:N	10	1.54
(1,93)	1:76:A:TYR:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	8	1.54
(1,203)	1:137:A:GLY:C	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	6	1.53
(1,182)	1:126:A:THR:N	1:126:A:THR:CA	1:126:A:THR:C	1:127:A:GLY:N	8	1.53
(1,148)	1:108:A:SER:N	1:108:A:SER:CA	1:108:A:SER:C	1:109:A:ALA:N	6	1.53
(1,248)	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	1:164:A:GLU:N	8	1.52
(1,160)	1:114:A:ASP:N	1:114:A:ASP:CA	1:114:A:ASP:C	1:115:A:LYS:N	10	1.52
(1,103)	1:81:A:ILE:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	5	1.52
(1,97)	1:78:A:GLN:C	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	7	1.52
(1,184)	1:127:A:GLY:N	1:127:A:GLY:CA	1:127:A:GLY:C	1:128:A:TYR:N	4	1.51
(1,145)	1:105:A:ASP:C	1:106:A:ASN:N	1:106:A:ASN:CA	1:106:A:ASN:C	3	1.51
(1,114)	1:87:A:THR:N	1:87:A:THR:CA	1:87:A:THR:C	1:88:A:ASN:N	4	1.51
(1,36)	1:46:A:TYR:N	1:46:A:TYR:CA	1:46:A:TYR:C	1:47:A:ALA:N	6	1.51
(1,145)	1:105:A:ASP:C	1:106:A:ASN:N	1:106:A:ASN:CA	1:106:A:ASN:C	5	1.5
(1,126)	1:96:A:SER:N	1:96:A:SER:CA	1:96:A:SER:C	1:97:A:GLU:N	2	1.5
(1,115)	1:88:A:ASN:C	1:89:A:SER:N	1:89:A:SER:CA	1:89:A:SER:C	9	1.5
(1,111)	1:85:A:TYR:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	9	1.5
(1,76)	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	1:69:A:GLN:N	7	1.49
(1,68)	1:64:A:LEU:N	1:64:A:LEU:CA	1:64:A:LEU:C	1:65:A:ALA:N	3	1.49
(1,52)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:ASP:N	5	1.49
(1,203)	1:137:A:GLY:C	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	5	1.48
(1,197)	1:134:A:TRP:C	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	3	1.48
(1,141)	1:103:A:SER:C	1:104:A:LEU:N	1:104:A:LEU:CA	1:104:A:LEU:C	9	1.48
(1,248)	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	1:164:A:GLU:N	7	1.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,183)	1:126:A:THR:C	1:127:A:GLY:N	1:127:A:GLY:CA	1:127:A:GLY:C	1	1.47
(1,172)	1:120:A:VAL:N	1:120:A:VAL:CA	1:120:A:VAL:C	1:121:A:LEU:N	1	1.47
(1,104)	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	1:83:A:SER:N	3	1.47
(1,259)	1:169:A:ASP:C	1:170:A:SER:N	1:170:A:SER:CA	1:170:A:SER:C	5	1.46
(1,254)	1:166:A:MET:N	1:166:A:MET:CA	1:166:A:MET:C	1:167:A:LEU:N	4	1.46
(1,145)	1:105:A:ASP:C	1:106:A:ASN:N	1:106:A:ASN:CA	1:106:A:ASN:C	6	1.46
(1,145)	1:105:A:ASP:C	1:106:A:ASN:N	1:106:A:ASN:CA	1:106:A:ASN:C	8	1.46
(1,133)	1:99:A:LYS:C	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	6	1.46
(1,126)	1:96:A:SER:N	1:96:A:SER:CA	1:96:A:SER:C	1:97:A:GLU:N	5	1.46
(1,36)	1:46:A:TYR:N	1:46:A:TYR:CA	1:46:A:TYR:C	1:47:A:ALA:N	4	1.46
(1,20)	1:31:A:SER:N	1:31:A:SER:CA	1:31:A:SER:C	1:32:A:ILE:N	7	1.46
(1,189)	1:130:A:ASN:C	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	4	1.45
(1,173)	1:120:A:VAL:C	1:121:A:LEU:N	1:121:A:LEU:CA	1:121:A:LEU:C	4	1.45
(1,69)	1:64:A:LEU:C	1:65:A:ALA:N	1:65:A:ALA:CA	1:65:A:ALA:C	10	1.45
(1,8)	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	1:26:A:GLU:N	7	1.45
(1,255)	1:166:A:MET:C	1:167:A:LEU:N	1:167:A:LEU:CA	1:167:A:LEU:C	5	1.44
(1,103)	1:81:A:ILE:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	1	1.44
(1,267)	1:173:A:VAL:C	1:174:A:ILE:N	1:174:A:ILE:CA	1:174:A:ILE:C	6	1.43
(1,244)	1:161:A:GLU:N	1:161:A:GLU:CA	1:161:A:GLU:C	1:162:A:ALA:N	3	1.43
(1,122)	1:92:A:LEU:N	1:92:A:LEU:CA	1:92:A:LEU:C	1:93:A:GLY:N	8	1.43
(1,261)	1:170:A:SER:C	1:171:A:LEU:N	1:171:A:LEU:CA	1:171:A:LEU:C	2	1.42
(1,206)	1:141:A:LYS:N	1:141:A:LYS:CA	1:141:A:LYS:C	1:142:A:ILE:N	8	1.42
(1,82)	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	1:72:A:PRO:N	4	1.42
(1,73)	1:66:A:ASN:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	6	1.42
(1,260)	1:170:A:SER:N	1:170:A:SER:CA	1:170:A:SER:C	1:171:A:LEU:N	2	1.41
(1,248)	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	1:164:A:GLU:N	1	1.41
(1,248)	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	1:164:A:GLU:N	5	1.41
(1,145)	1:105:A:ASP:C	1:106:A:ASN:N	1:106:A:ASN:CA	1:106:A:ASN:C	9	1.41
(1,85)	1:72:A:PRO:C	1:73:A:TYR:N	1:73:A:TYR:CA	1:73:A:TYR:C	9	1.41
(1,203)	1:137:A:GLY:C	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	2	1.4
(1,202)	1:137:A:GLY:N	1:137:A:GLY:CA	1:137:A:GLY:C	1:138:A:GLU:N	8	1.4
(1,198)	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	1:136:A:PRO:N	6	1.4
(1,165)	1:116:A:GLU:C	1:117:A:ASP:N	1:117:A:ASP:CA	1:117:A:ASP:C	5	1.4
(1,145)	1:105:A:ASP:C	1:106:A:ASN:N	1:106:A:ASN:CA	1:106:A:ASN:C	2	1.4
(1,116)	1:89:A:SER:N	1:89:A:SER:CA	1:89:A:SER:C	1:90:A:THR:N	10	1.4
(1,114)	1:87:A:THR:N	1:87:A:THR:CA	1:87:A:THR:C	1:88:A:ASN:N	9	1.4
(1,8)	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	1:26:A:GLU:N	9	1.4
(1,261)	1:170:A:SER:C	1:171:A:LEU:N	1:171:A:LEU:CA	1:171:A:LEU:C	6	1.39
(1,188)	1:130:A:ASN:N	1:130:A:ASN:CA	1:130:A:ASN:C	1:131:A:THR:N	9	1.39
(1,93)	1:76:A:TYR:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	3	1.39
(1,76)	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	1:69:A:GLN:N	4	1.39
(1,62)	1:61:A:LYS:N	1:61:A:LYS:CA	1:61:A:LYS:C	1:62:A:VAL:N	4	1.39
(1,42)	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	1:50:A:TRP:N	8	1.39
(1,215)	1:146:A:ASN:C	1:147:A:GLU:N	1:147:A:GLU:CA	1:147:A:GLU:C	10	1.38
(1,138)	1:102:A:ILE:N	1:102:A:ILE:CA	1:102:A:ILE:C	1:103:A:SER:N	1	1.38
(1,107)	1:83:A:SER:C	1:84:A:GLY:N	1:84:A:GLY:CA	1:84:A:GLY:C	3	1.38
(1,49)	1:54:A:GLN:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	4	1.38
(1,184)	1:127:A:GLY:N	1:127:A:GLY:CA	1:127:A:GLY:C	1:128:A:TYR:N	1	1.37
(1,42)	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	1:50:A:TRP:N	4	1.37
(1,261)	1:170:A:SER:C	1:171:A:LEU:N	1:171:A:LEU:CA	1:171:A:LEU:C	1	1.36
(1,198)	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	1:136:A:PRO:N	7	1.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,182)	1:126:A:THR:N	1:126:A:THR:CA	1:126:A:THR:C	1:127:A:GLY:N	1	1.35
(1,182)	1:126:A:THR:N	1:126:A:THR:CA	1:126:A:THR:C	1:127:A:GLY:N	4	1.35
(1,180)	1:124:A:ASP:N	1:124:A:ASP:CA	1:124:A:ASP:C	1:125:A:LYS:N	2	1.35
(1,68)	1:64:A:LEU:N	1:64:A:LEU:CA	1:64:A:LEU:C	1:65:A:ALA:N	5	1.35
(1,46)	1:51:A:ILE:N	1:51:A:ILE:CA	1:51:A:ILE:C	1:52:A:LYS:N	5	1.35
(1,3)	1:22:A:PRO:C	1:23:A:ILE:N	1:23:A:ILE:CA	1:23:A:ILE:C	4	1.35
(1,267)	1:173:A:VAL:C	1:174:A:ILE:N	1:174:A:ILE:CA	1:174:A:ILE:C	1	1.34
(1,240)	1:159:A:PHE:N	1:159:A:PHE:CA	1:159:A:PHE:C	1:160:A:TYR:N	9	1.34
(1,198)	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	1:136:A:PRO:N	1	1.34
(1,146)	1:106:A:ASN:N	1:106:A:ASN:CA	1:106:A:ASN:C	1:107:A:PRO:N	2	1.34
(1,105)	1:82:A:THR:C	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	8	1.34
(1,69)	1:64:A:LEU:C	1:65:A:ALA:N	1:65:A:ALA:CA	1:65:A:ALA:C	8	1.34
(1,68)	1:64:A:LEU:N	1:64:A:LEU:CA	1:64:A:LEU:C	1:65:A:ALA:N	8	1.34
(1,86)	1:73:A:TYR:N	1:73:A:TYR:CA	1:73:A:TYR:C	1:74:A:PHE:N	8	1.33
(1,83)	1:71:A:LYS:C	1:72:A:PRO:N	1:72:A:PRO:CA	1:72:A:PRO:C	10	1.33
(1,60)	1:60:A:LEU:N	1:60:A:LEU:CA	1:60:A:LEU:C	1:61:A:LYS:N	1	1.33
(1,259)	1:169:A:ASP:C	1:170:A:SER:N	1:170:A:SER:CA	1:170:A:SER:C	3	1.32
(1,207)	1:141:A:LYS:C	1:142:A:ILE:N	1:142:A:ILE:CA	1:142:A:ILE:C	2	1.32
(1,202)	1:137:A:GLY:N	1:137:A:GLY:CA	1:137:A:GLY:C	1:138:A:GLU:N	10	1.32
(1,183)	1:126:A:THR:C	1:127:A:GLY:N	1:127:A:GLY:CA	1:127:A:GLY:C	9	1.32
(1,103)	1:81:A:ILE:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	10	1.32
(1,97)	1:78:A:GLN:C	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	3	1.32
(1,198)	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	1:136:A:PRO:N	5	1.31
(1,141)	1:103:A:SER:C	1:104:A:LEU:N	1:104:A:LEU:CA	1:104:A:LEU:C	10	1.31
(1,256)	1:167:A:LEU:N	1:167:A:LEU:CA	1:167:A:LEU:C	1:168:A:PHE:N	4	1.3
(1,225)	1:151:A:VAL:C	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	9	1.3
(1,133)	1:99:A:LYS:C	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	3	1.3
(1,25)	1:33:A:THR:C	1:34:A:PRO:N	1:34:A:PRO:CA	1:34:A:PRO:C	3	1.3
(1,82)	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	1:72:A:PRO:N	9	1.29
(1,104)	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	1:83:A:SER:N	7	1.28
(1,75)	1:67:A:ALA:C	1:68:A:GLU:N	1:68:A:GLU:CA	1:68:A:GLU:C	1	1.28
(1,49)	1:54:A:GLN:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	5	1.28
(1,11)	1:26:A:GLU:C	1:27:A:SER:N	1:27:A:SER:CA	1:27:A:SER:C	1	1.28
(1,255)	1:166:A:MET:C	1:167:A:LEU:N	1:167:A:LEU:CA	1:167:A:LEU:C	9	1.27
(1,240)	1:159:A:PHE:N	1:159:A:PHE:CA	1:159:A:PHE:C	1:160:A:TYR:N	10	1.27
(1,189)	1:130:A:ASN:C	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	1	1.27
(1,105)	1:82:A:THR:C	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	6	1.27
(1,52)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:ASP:N	7	1.27
(1,284)	1:182:A:VAL:N	1:182:A:VAL:CA	1:182:A:VAL:C	1:183:A:GLY:N	3	1.26
(1,207)	1:141:A:LYS:C	1:142:A:ILE:N	1:142:A:ILE:CA	1:142:A:ILE:C	4	1.26
(1,58)	1:59:A:LYS:N	1:59:A:LYS:CA	1:59:A:LYS:C	1:60:A:LEU:N	3	1.26
(1,203)	1:137:A:GLY:C	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1	1.25
(1,202)	1:137:A:GLY:N	1:137:A:GLY:CA	1:137:A:GLY:C	1:138:A:GLU:N	3	1.25
(1,201)	1:136:A:PRO:C	1:137:A:GLY:N	1:137:A:GLY:CA	1:137:A:GLY:C	7	1.25
(1,22)	1:32:A:ILE:N	1:32:A:ILE:CA	1:32:A:ILE:C	1:33:A:THR:N	4	1.25
(1,141)	1:103:A:SER:C	1:104:A:LEU:N	1:104:A:LEU:CA	1:104:A:LEU:C	8	1.24
(1,106)	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	1:84:A:GLY:N	5	1.24
(1,85)	1:72:A:PRO:C	1:73:A:TYR:N	1:73:A:TYR:CA	1:73:A:TYR:C	6	1.24
(1,160)	1:114:A:ASP:N	1:114:A:ASP:CA	1:114:A:ASP:C	1:115:A:LYS:N	5	1.23
(1,36)	1:46:A:TYR:N	1:46:A:TYR:CA	1:46:A:TYR:C	1:47:A:ALA:N	8	1.23
(1,267)	1:173:A:VAL:C	1:174:A:ILE:N	1:174:A:ILE:CA	1:174:A:ILE:C	9	1.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,254)	1:166:A:MET:N	1:166:A:MET:CA	1:166:A:MET:C	1:167:A:LEU:N	10	1.22
(1,169)	1:118:A:ILE:C	1:119:A:ALA:N	1:119:A:ALA:CA	1:119:A:ALA:C	9	1.22
(1,106)	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	1:84:A:GLY:N	8	1.22
(1,103)	1:81:A:ILE:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	6	1.22
(1,225)	1:151:A:VAL:C	1:152:A:ALA:N	1:152:A:ALA:CA	1:152:A:ALA:C	1	1.21
(1,215)	1:146:A:ASN:C	1:147:A:GLU:N	1:147:A:GLU:CA	1:147:A:GLU:C	9	1.21
(1,149)	1:108:A:SER:C	1:109:A:ALA:N	1:109:A:ALA:CA	1:109:A:ALA:C	6	1.21
(1,133)	1:99:A:LYS:C	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	4	1.21
(1,131)	1:98:A:THR:C	1:99:A:LYS:N	1:99:A:LYS:CA	1:99:A:LYS:C	10	1.21
(1,104)	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	1:83:A:SER:N	4	1.21
(1,84)	1:72:A:PRO:N	1:72:A:PRO:CA	1:72:A:PRO:C	1:73:A:TYR:N	9	1.21
(1,36)	1:46:A:TYR:N	1:46:A:TYR:CA	1:46:A:TYR:C	1:47:A:ALA:N	2	1.21
(1,261)	1:170:A:SER:C	1:171:A:LEU:N	1:171:A:LEU:CA	1:171:A:LEU:C	7	1.2
(1,254)	1:166:A:MET:N	1:166:A:MET:CA	1:166:A:MET:C	1:167:A:LEU:N	3	1.2
(1,186)	1:129:A:THR:N	1:129:A:THR:CA	1:129:A:THR:C	1:130:A:ASN:N	10	1.2
(1,49)	1:54:A:GLN:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	6	1.2
(1,46)	1:51:A:ILE:N	1:51:A:ILE:CA	1:51:A:ILE:C	1:52:A:LYS:N	1	1.2
(1,46)	1:51:A:ILE:N	1:51:A:ILE:CA	1:51:A:ILE:C	1:52:A:LYS:N	3	1.2
(1,8)	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	1:26:A:GLU:N	2	1.2
(1,182)	1:126:A:THR:N	1:126:A:THR:CA	1:126:A:THR:C	1:127:A:GLY:N	6	1.19
(1,159)	1:113:A:LEU:C	1:114:A:ASP:N	1:114:A:ASP:CA	1:114:A:ASP:C	4	1.19
(1,137)	1:101:A:VAL:C	1:102:A:ILE:N	1:102:A:ILE:CA	1:102:A:ILE:C	8	1.19
(1,213)	1:144:A:VAL:C	1:145:A:TYR:N	1:145:A:TYR:CA	1:145:A:TYR:C	3	1.18
(1,202)	1:137:A:GLY:N	1:137:A:GLY:CA	1:137:A:GLY:C	1:138:A:GLU:N	4	1.18
(1,165)	1:116:A:GLU:C	1:117:A:ASP:N	1:117:A:ASP:CA	1:117:A:ASP:C	7	1.18
(1,118)	1:90:A:THR:N	1:90:A:THR:CA	1:90:A:THR:C	1:91:A:ALA:N	1	1.18
(1,42)	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	1:50:A:TRP:N	2	1.18
(1,36)	1:46:A:TYR:N	1:46:A:TYR:CA	1:46:A:TYR:C	1:47:A:ALA:N	9	1.18
(1,195)	1:133:A:ILE:C	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	7	1.17
(1,114)	1:87:A:THR:N	1:87:A:THR:CA	1:87:A:THR:C	1:88:A:ASN:N	6	1.17
(1,73)	1:66:A:ASN:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	10	1.17
(1,68)	1:64:A:LEU:N	1:64:A:LEU:CA	1:64:A:LEU:C	1:65:A:ALA:N	10	1.17
(1,22)	1:32:A:ILE:N	1:32:A:ILE:CA	1:32:A:ILE:C	1:33:A:THR:N	3	1.17
(1,284)	1:182:A:VAL:N	1:182:A:VAL:CA	1:182:A:VAL:C	1:183:A:GLY:N	5	1.16
(1,244)	1:161:A:GLU:N	1:161:A:GLU:CA	1:161:A:GLU:C	1:162:A:ALA:N	7	1.16
(1,140)	1:103:A:SER:N	1:103:A:SER:CA	1:103:A:SER:C	1:104:A:LEU:N	4	1.16
(1,284)	1:182:A:VAL:N	1:182:A:VAL:CA	1:182:A:VAL:C	1:183:A:GLY:N	4	1.15
(1,173)	1:120:A:VAL:C	1:121:A:LEU:N	1:121:A:LEU:CA	1:121:A:LEU:C	6	1.15
(1,145)	1:105:A:ASP:C	1:106:A:ASN:N	1:106:A:ASN:CA	1:106:A:ASN:C	10	1.15
(1,141)	1:103:A:SER:C	1:104:A:LEU:N	1:104:A:LEU:CA	1:104:A:LEU:C	6	1.15
(1,172)	1:120:A:VAL:N	1:120:A:VAL:CA	1:120:A:VAL:C	1:121:A:LEU:N	2	1.14
(1,275)	1:177:A:PHE:C	1:178:A:GLN:N	1:178:A:GLN:CA	1:178:A:GLN:C	5	1.13
(1,267)	1:173:A:VAL:C	1:174:A:ILE:N	1:174:A:ILE:CA	1:174:A:ILE:C	2	1.13
(1,168)	1:118:A:ILE:N	1:118:A:ILE:CA	1:118:A:ILE:C	1:119:A:ALA:N	6	1.13
(1,141)	1:103:A:SER:C	1:104:A:LEU:N	1:104:A:LEU:CA	1:104:A:LEU:C	1	1.13
(1,119)	1:90:A:THR:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	1	1.13
(1,3)	1:22:A:PRO:C	1:23:A:ILE:N	1:23:A:ILE:CA	1:23:A:ILE:C	1	1.12
(1,240)	1:159:A:PHE:N	1:159:A:PHE:CA	1:159:A:PHE:C	1:160:A:TYR:N	4	1.11
(1,49)	1:54:A:GLN:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	2	1.11
(1,177)	1:122:A:TYR:C	1:123:A:PRO:N	1:123:A:PRO:CA	1:123:A:PRO:C	3	1.1
(1,148)	1:108:A:SER:N	1:108:A:SER:CA	1:108:A:SER:C	1:109:A:ALA:N	7	1.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,81)	1:70:A:LEU:C	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	10	1.1
(1,284)	1:182:A:VAL:N	1:182:A:VAL:CA	1:182:A:VAL:C	1:183:A:GLY:N	10	1.09
(1,182)	1:126:A:THR:N	1:126:A:THR:CA	1:126:A:THR:C	1:127:A:GLY:N	9	1.09
(1,141)	1:103:A:SER:C	1:104:A:LEU:N	1:104:A:LEU:CA	1:104:A:LEU:C	2	1.09
(1,8)	1:25:A:VAL:N	1:25:A:VAL:CA	1:25:A:VAL:C	1:26:A:GLU:N	8	1.09
(1,254)	1:166:A:MET:N	1:166:A:MET:CA	1:166:A:MET:C	1:167:A:LEU:N	2	1.08
(1,212)	1:144:A:VAL:N	1:144:A:VAL:CA	1:144:A:VAL:C	1:145:A:TYR:N	9	1.08
(1,145)	1:105:A:ASP:C	1:106:A:ASN:N	1:106:A:ASN:CA	1:106:A:ASN:C	7	1.08
(1,122)	1:92:A:LEU:N	1:92:A:LEU:CA	1:92:A:LEU:C	1:93:A:GLY:N	3	1.08
(1,92)	1:76:A:TYR:N	1:76:A:TYR:CA	1:76:A:TYR:C	1:77:A:LEU:N	7	1.08
(1,91)	1:75:A:LYS:C	1:76:A:TYR:N	1:76:A:TYR:CA	1:76:A:TYR:C	2	1.08
(1,61)	1:60:A:LEU:C	1:61:A:LYS:N	1:61:A:LYS:CA	1:61:A:LYS:C	5	1.08
(1,53)	1:56:A:ASN:C	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	6	1.08
(1,141)	1:103:A:SER:C	1:104:A:LEU:N	1:104:A:LEU:CA	1:104:A:LEU:C	3	1.07
(1,98)	1:79:A:ILE:N	1:79:A:ILE:CA	1:79:A:ILE:C	1:80:A:GLN:N	10	1.07
(1,79)	1:69:A:GLN:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	4	1.07
(1,183)	1:126:A:THR:C	1:127:A:GLY:N	1:127:A:GLY:CA	1:127:A:GLY:C	6	1.06
(1,73)	1:66:A:ASN:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	8	1.06
(1,42)	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	1:50:A:TRP:N	1	1.06
(1,195)	1:133:A:ILE:C	1:134:A:TRP:N	1:134:A:TRP:CA	1:134:A:TRP:C	6	1.05
(1,121)	1:91:A:ALA:C	1:92:A:LEU:N	1:92:A:LEU:CA	1:92:A:LEU:C	10	1.05
(1,69)	1:64:A:LEU:C	1:65:A:ALA:N	1:65:A:ALA:CA	1:65:A:ALA:C	9	1.05
(1,65)	1:62:A:VAL:C	1:63:A:THR:N	1:63:A:THR:CA	1:63:A:THR:C	6	1.05
(1,22)	1:32:A:ILE:N	1:32:A:ILE:CA	1:32:A:ILE:C	1:33:A:THR:N	8	1.05
(1,244)	1:161:A:GLU:N	1:161:A:GLU:CA	1:161:A:GLU:C	1:162:A:ALA:N	8	1.04
(1,183)	1:126:A:THR:C	1:127:A:GLY:N	1:127:A:GLY:CA	1:127:A:GLY:C	3	1.04
(1,179)	1:123:A:PRO:C	1:124:A:ASP:N	1:124:A:ASP:CA	1:124:A:ASP:C	2	1.04
(1,141)	1:103:A:SER:C	1:104:A:LEU:N	1:104:A:LEU:CA	1:104:A:LEU:C	5	1.04
(1,68)	1:64:A:LEU:N	1:64:A:LEU:CA	1:64:A:LEU:C	1:65:A:ALA:N	4	1.04
(1,36)	1:46:A:TYR:N	1:46:A:TYR:CA	1:46:A:TYR:C	1:47:A:ALA:N	3	1.04
(1,284)	1:182:A:VAL:N	1:182:A:VAL:CA	1:182:A:VAL:C	1:183:A:GLY:N	7	1.03
(1,198)	1:135:A:VAL:N	1:135:A:VAL:CA	1:135:A:VAL:C	1:136:A:PRO:N	10	1.03
(1,117)	1:89:A:SER:C	1:90:A:THR:N	1:90:A:THR:CA	1:90:A:THR:C	3	1.03
(1,103)	1:81:A:ILE:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	2	1.03
(1,71)	1:65:A:ALA:C	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	2	1.03
(1,172)	1:120:A:VAL:N	1:120:A:VAL:CA	1:120:A:VAL:C	1:121:A:LEU:N	10	1.02
(1,169)	1:118:A:ILE:C	1:119:A:ALA:N	1:119:A:ALA:CA	1:119:A:ALA:C	4	1.02
(1,165)	1:116:A:GLU:C	1:117:A:ASP:N	1:117:A:ASP:CA	1:117:A:ASP:C	9	1.02
(1,160)	1:114:A:ASP:N	1:114:A:ASP:CA	1:114:A:ASP:C	1:115:A:LYS:N	3	1.02
(1,146)	1:106:A:ASN:N	1:106:A:ASN:CA	1:106:A:ASN:C	1:107:A:PRO:N	7	1.02
(1,114)	1:87:A:THR:N	1:87:A:THR:CA	1:87:A:THR:C	1:88:A:ASN:N	8	1.02
(1,87)	1:73:A:TYR:C	1:74:A:PHE:N	1:74:A:PHE:CA	1:74:A:PHE:C	7	1.02
(1,79)	1:69:A:GLN:C	1:70:A:LEU:N	1:70:A:LEU:CA	1:70:A:LEU:C	8	1.02
(1,257)	1:167:A:LEU:C	1:168:A:PHE:N	1:168:A:PHE:CA	1:168:A:PHE:C	3	1.01
(1,182)	1:126:A:THR:N	1:126:A:THR:CA	1:126:A:THR:C	1:127:A:GLY:N	3	1.01
(1,110)	1:85:A:TYR:N	1:85:A:TYR:CA	1:85:A:TYR:C	1:86:A:GLU:N	2	1.01
(1,105)	1:82:A:THR:C	1:83:A:SER:N	1:83:A:SER:CA	1:83:A:SER:C	1	1.01
(1,284)	1:182:A:VAL:N	1:182:A:VAL:CA	1:182:A:VAL:C	1:183:A:GLY:N	2	1.0
(1,119)	1:90:A:THR:C	1:91:A:ALA:N	1:91:A:ALA:CA	1:91:A:ALA:C	9	1.0
(1,114)	1:87:A:THR:N	1:87:A:THR:CA	1:87:A:THR:C	1:88:A:ASN:N	5	1.0