



Full wwPDB NMR Structure Validation Report ⓘ

Mar 7, 2026 – 12:17 AM UTC

PDB ID : 7L83 / pdb_00007l83
BMRB ID : 30834
Title : NMR solution structure of Nav1.5 DIV S3b-S4a paddle motif in DPC micelle
Authors : Hussein, A.K.; Bhuiyan, M.H.; Arshava, B.; Zhuang, J.; Poget, S.F.
Deposited on : 2020-12-30

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

The following versions of software and data (see [references ⓘ](#)) 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

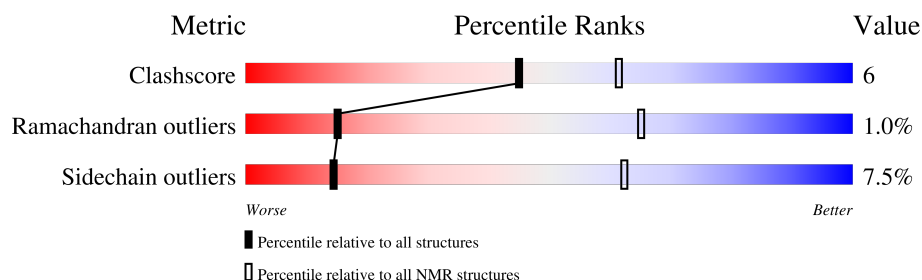
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 64%.

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 $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	37	

2 Ensemble composition and analysis

This entry contains 10 models. Model 1 is the overall representative, medoid model (most similar to other models).

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:3-A:32 (30)	0.84	1

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 3 clusters and 2 single-model clusters were found.

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

3 Entry composition [i](#)

There is only 1 type of molecule in this entry. The entry contains 635 atoms, of which 337 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Sodium channel protein type 5 subunit alpha.

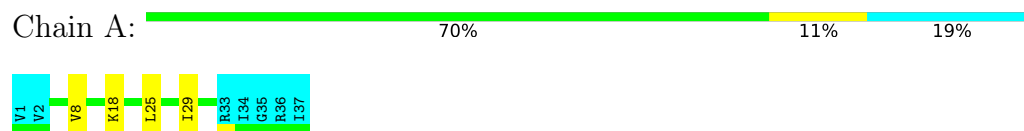
Mol	Chain	Residues	Atoms					Trace
1	A	37	Total	C	H	N	O	0
			635	200	337	51	47	

4 Residue-property plots [i](#)

4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: Sodium channel protein type 5 subunit alpha



4.2 Scores per residue for each member of the ensemble

Colouring as in section [4.1](#) above.

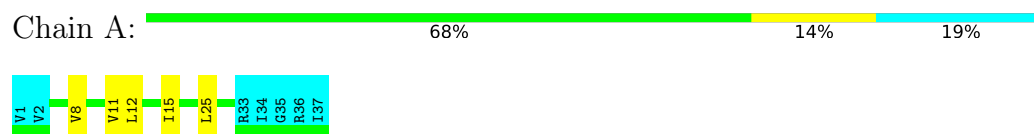
4.2.1 Score per residue for model 1 (medoid)

- Molecule 1: Sodium channel protein type 5 subunit alpha



4.2.2 Score per residue for model 2

- Molecule 1: Sodium channel protein type 5 subunit alpha



4.2.3 Score per residue for model 3

- Molecule 1: Sodium channel protein type 5 subunit alpha



4.2.4 Score per residue for model 4

- Molecule 1: Sodium channel protein type 5 subunit alpha



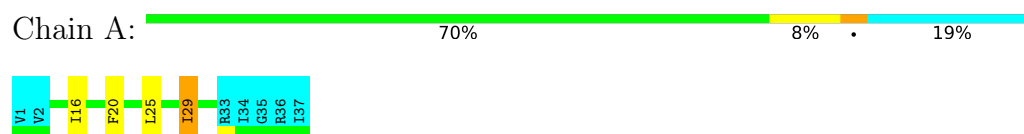
4.2.5 Score per residue for model 5

- Molecule 1: Sodium channel protein type 5 subunit alpha



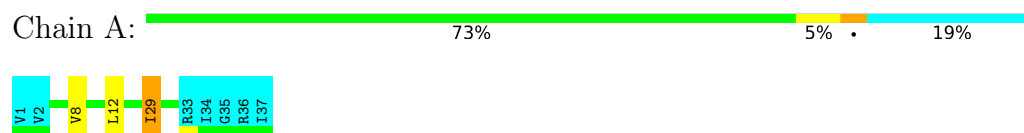
4.2.6 Score per residue for model 6

- Molecule 1: Sodium channel protein type 5 subunit alpha



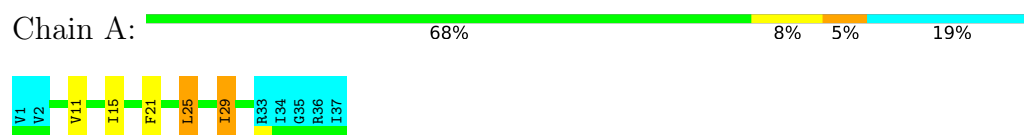
4.2.7 Score per residue for model 7

- Molecule 1: Sodium channel protein type 5 subunit alpha



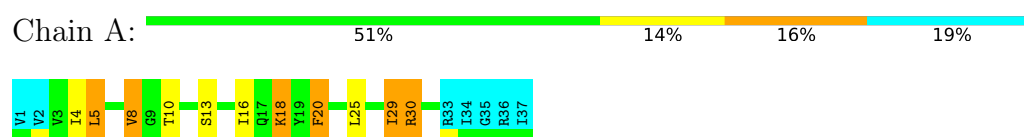
4.2.8 Score per residue for model 8

- Molecule 1: Sodium channel protein type 5 subunit alpha



4.2.9 Score per residue for model 9

- Molecule 1: Sodium channel protein type 5 subunit alpha



4.2.10 Score per residue for model 10

- Molecule 1: Sodium channel protein type 5 subunit alpha



5 Refinement protocol and experimental data overview

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

Of the 100 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	refinement	
ARIA	structure calculation	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	345
Number of shifts mapped to atoms	345
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	64%

6 Model quality

6.1 Standard geometry

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	241	266	266	3±2
All	All	2410	2660	2660	32

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 6.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:25:LEU:HD13	1:A:25:LEU:H	0.53	1.62	8	1
1:A:4:ILE:O	1:A:8:VAL:HG13	0.53	2.04	9	1
1:A:15:ILE:O	1:A:19:TYR:HB3	0.52	2.04	5	1
1:A:5:LEU:HA	1:A:8:VAL:HG22	0.52	1.79	9	1
1:A:25:LEU:HD13	1:A:25:LEU:N	0.50	2.22	8	1
1:A:26:PHE:O	1:A:30:ARG:HB2	0.50	2.06	10	2
1:A:11:VAL:O	1:A:15:ILE:HG12	0.48	2.08	2	3
1:A:30:ARG:HA	1:A:30:ARG:NE	0.48	2.22	9	2
1:A:8:VAL:O	1:A:12:LEU:HD23	0.47	2.10	2	3
1:A:25:LEU:HD13	1:A:25:LEU:C	0.47	2.35	6	3
1:A:16:ILE:HD13	1:A:25:LEU:HB3	0.46	1.87	5	2
1:A:14:ASP:O	1:A:17:GLN:HG2	0.46	2.11	4	1
1:A:18:LYS:C	1:A:18:LYS:HD3	0.45	2.37	4	1
1:A:12:LEU:O	1:A:16:ILE:HG13	0.44	2.12	1	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:10:THR:O	1:A:13:SER:HB3	0.44	2.13	9	1
1:A:18:LYS:O	1:A:18:LYS:HE3	0.43	2.14	9	1
1:A:20:PHE:O	1:A:25:LEU:HD23	0.42	2.13	9	1
1:A:4:ILE:O	1:A:8:VAL:HG23	0.42	2.14	5	1
1:A:5:LEU:HA	1:A:8:VAL:CG2	0.41	2.44	9	1
1:A:16:ILE:HA	1:A:20:PHE:HB3	0.41	1.92	6	1
1:A:16:ILE:HA	1:A:20:PHE:CB	0.41	2.46	9	1
1:A:22:SER:HB2	1:A:25:LEU:CD2	0.41	2.46	5	1
1:A:24:THR:O	1:A:27:ARG:HB3	0.40	2.16	4	1

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	30/37 (81%)	28±1 (93±5%)	2±1 (6±4%)	0±0 (1±2%)	15	65
All	All	300/370 (81%)	279 (93%)	18 (6%)	3 (1%)	15	65

All 1 unique Ramachandran outliers are listed below.

Mol	Chain	Res	Type	Models (Total)
1	A	21	PHE	3

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	28/34 (82%)	26±2 (92±6%)	2±2 (8±6%)	14	62
All	All	280/340 (82%)	259 (92%)	21 (8%)	14	62

All 10 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	29	ILE	7
1	A	18	LYS	4
1	A	20	PHE	2
1	A	5	LEU	2
1	A	28	VAL	1
1	A	4	ILE	1
1	A	17	GLN	1
1	A	25	LEU	1
1	A	8	VAL	1
1	A	30	ARG	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 64% for the well-defined parts and 60% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list*

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	345
Number of shifts mapped to atoms	345
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	34	-0.25 ± 0.25	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	32	-0.11 ± 0.10	None needed (< 0.5 ppm)
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	29	1.61 ± 0.35	Should be applied

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 64%, i.e. 292 atoms were assigned a chemical shift out of a possible 454. 0 out of 8 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	109/149 (73%)	55/60 (92%)	29/60 (48%)	25/29 (86%)
Sidechain	173/266 (65%)	139/178 (78%)	33/80 (41%)	1/8 (12%)

Continued on next page...

Continued from previous page...

	Total	¹ H	¹³ C	¹⁵ N
Aromatic	10/39 (26%)	10/19 (53%)	0/20 (0%)	0/0 (—%)
Overall	292/454 (64%)	204/257 (79%)	62/160 (39%)	26/37 (70%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 60%, i.e. 343 atoms were assigned a chemical shift out of a possible 572. 0 out of 10 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	129/185 (70%)	66/75 (88%)	34/74 (46%)	29/36 (81%)
Sidechain	204/348 (59%)	166/232 (72%)	37/102 (36%)	1/14 (7%)
Aromatic	10/39 (26%)	10/19 (53%)	0/20 (0%)	0/0 (—%)
Overall	343/572 (60%)	242/326 (74%)	71/196 (36%)	30/50 (60%)

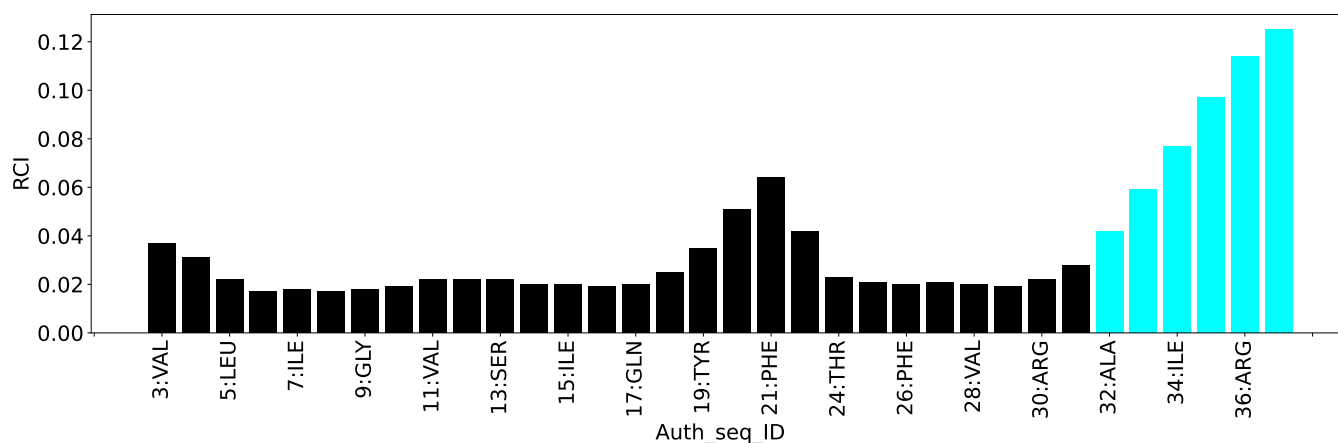
7.1.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

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

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	566
Intra-residue ($ i-j =0$)	425
Sequential ($ i-j =1$)	66
Medium range ($ i-j >1$ and $ i-j <5$)	69
Long range ($ i-j \geq 5$)	6
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	15.3
Number of long range restraints per residue ¹	0.2

¹Long 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)	35.2	0.2
0.2-0.5 (Medium)	116.1	0.5
>0.5 (Large)	161.0	3.88

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

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

9 Distance violation analysis ⓘ

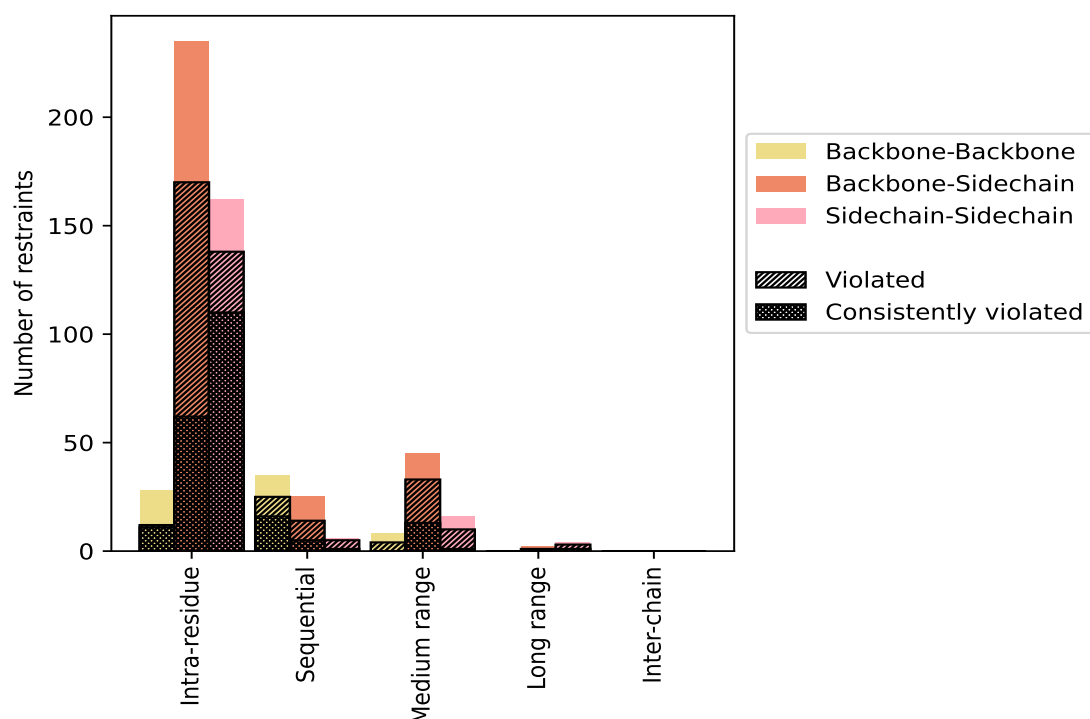
9.1 Summary of distance violations ⓘ

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)	425	75.1	320	75.3	56.5	183	43.1	32.3
Backbone-Backbone	28	4.9	12	42.9	2.1	11	39.3	1.9
Backbone-Sidechain	235	41.5	170	72.3	30.0	62	26.4	11.0
Sidechain-Sidechain	162	28.6	138	85.2	24.4	110	67.9	19.4
Sequential (i-j =1)	66	11.7	44	66.7	7.8	22	33.3	3.9
Backbone-Backbone	35	6.2	25	71.4	4.4	16	45.7	2.8
Backbone-Sidechain	25	4.4	14	56.0	2.5	5	20.0	0.9
Sidechain-Sidechain	6	1.1	5	83.3	0.9	1	16.7	0.2
Medium range (i-j >1 & i-j <5)	69	12.2	47	68.1	8.3	14	20.3	2.5
Backbone-Backbone	8	1.4	4	50.0	0.7	0	0.0	0.0
Backbone-Sidechain	45	8.0	33	73.3	5.8	13	28.9	2.3
Sidechain-Sidechain	16	2.8	10	62.5	1.8	1	6.2	0.2
Long range (i-j ≥5)	6	1.1	4	66.7	0.7	1	16.7	0.2
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	2	0.4	1	50.0	0.2	0	0.0	0.0
Sidechain-Sidechain	4	0.7	3	75.0	0.5	1	25.0	0.2
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	566	100.0	415	73.3	73.3	220	38.9	38.9
Backbone-Backbone	71	12.5	41	57.7	7.2	27	38.0	4.8
Backbone-Sidechain	307	54.2	218	71.0	38.5	80	26.1	14.1
Sidechain-Sidechain	188	33.2	156	83.0	27.6	113	60.1	20.0

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 [i](#)



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

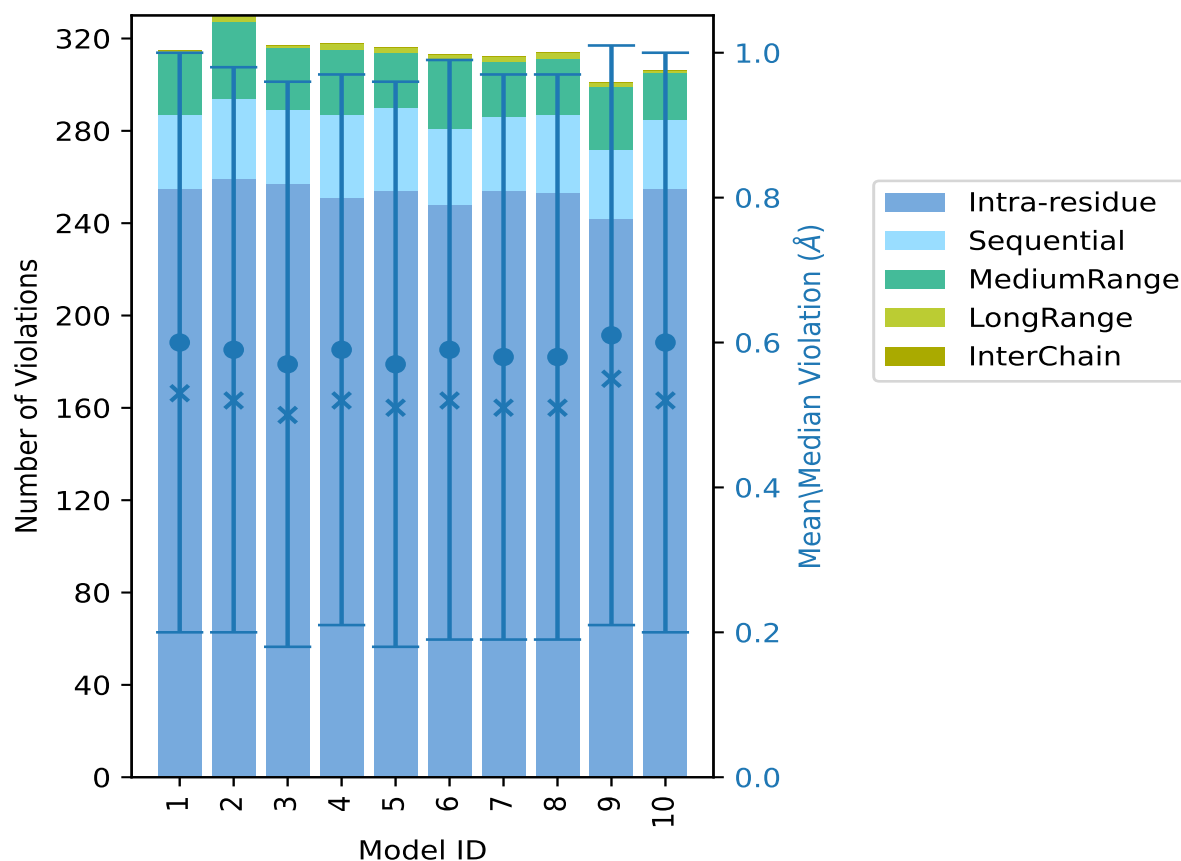
9.2 Distance violation statistics for each model [i](#)

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	255	32	27	1	0	315	0.6	3.86	0.4	0.53
2	259	35	33	3	0	330	0.59	3.84	0.39	0.52
3	257	32	27	1	0	317	0.57	3.88	0.39	0.5
4	251	36	28	3	0	318	0.59	3.85	0.38	0.52
5	254	36	24	2	0	316	0.57	3.88	0.39	0.51
6	248	33	30	2	0	313	0.59	3.78	0.4	0.52
7	254	32	24	2	0	312	0.58	3.86	0.39	0.51
8	253	34	24	3	0	314	0.58	3.85	0.39	0.51
9	242	30	27	2	0	301	0.61	3.85	0.4	0.55
10	255	30	20	1	0	306	0.6	3.86	0.4	0.52

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

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



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 [i](#)

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, 151(IR:105, SQ:22, MR:22, LR:2, 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	%
20	2	9	0	0	31	1	10.0
9	2	2	0	0	13	2	20.0
14	4	4	2	0	24	3	30.0

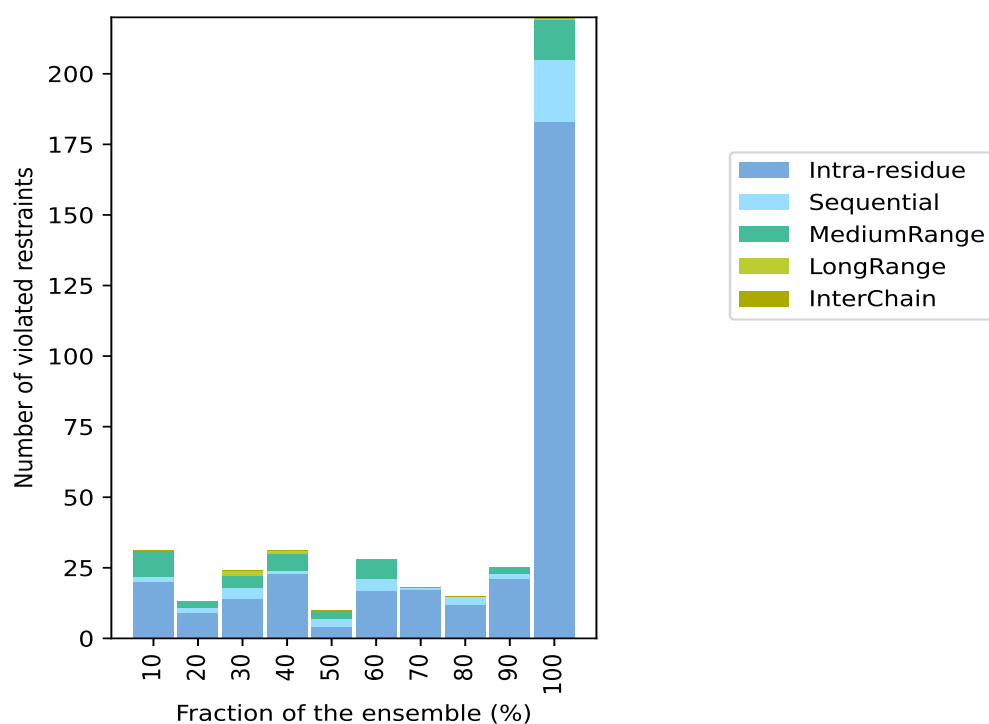
Continued on next page...

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	%
23	1	6	1	0	31	4	40.0
4	3	3	0	0	10	5	50.0
17	4	7	0	0	28	6	60.0
17	1	0	0	0	18	7	70.0
12	3	0	0	0	15	8	80.0
21	2	2	0	0	25	9	90.0
183	22	14	1	0	220	10	100.0

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

9.3.1 Bar graph : Distance violation statistics for the ensemble ⓘ

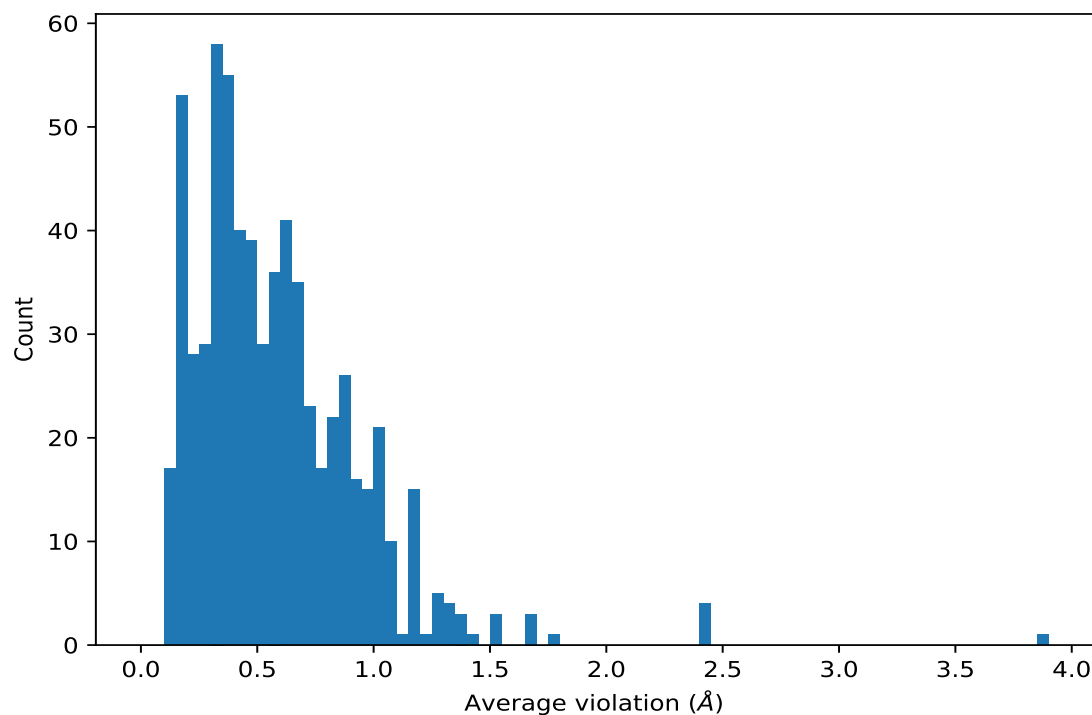


9.4 Most violated distance restraints in the ensemble ⓘ

9.4.1 Histogram : Distribution of mean distance violations ⓘ

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

in the ensemble



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

The following table provides the mean and the standard deviation of 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. 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)
(1,249)	1:24:A:THR:HA	1:24:A:THR:HB	10	3.85	0.03	3.86
(1,219)	1:13:A:SER:HB2	1:13:A:SER:HA	10	2.44	0.05	2.45
(1,166)	1:3:A:VAL:HG21	1:5:A:LEU:HA	10	2.42	0.32	2.51
(1,166)	1:3:A:VAL:HG22	1:5:A:LEU:HA	10	2.42	0.32	2.51
(1,166)	1:3:A:VAL:HG23	1:5:A:LEU:HA	10	2.42	0.32	2.51
(1,339)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	10	1.75	0.0	1.75
(1,446)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	10	1.68	0.0	1.68
(1,446)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	10	1.68	0.0	1.68
(1,446)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	10	1.68	0.0	1.68
(1,333)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	10	1.43	0.0	1.43
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG21	10	1.36	0.06	1.35
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG22	10	1.36	0.06	1.35
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG23	10	1.36	0.06	1.35
(1,217)	1:26:A:PHE:HA	1:29:A:ILE:HB	10	1.29	0.19	1.34
(1,310)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	10	1.25	0.01	1.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,521)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	10	1.25	0.01	1.25
(1,522)	1:37:A:ILE:HB	1:37:A:ILE:HG13	10	1.18	0.26	1.34
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD11	10	1.15	0.03	1.16
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD12	10	1.15	0.03	1.16
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD13	10	1.15	0.03	1.16
(1,404)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	10	1.15	0.0	1.15
(1,482)	1:18:A:LYS:HG3	1:18:A:LYS:HB2	10	1.1	0.2	1.16
(1,334)	1:15:A:ILE:HB	1:15:A:ILE:HG13	10	1.08	0.01	1.08
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	10	1.07	0.01	1.07
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	10	1.07	0.01	1.07
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	10	1.07	0.01	1.07
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	10	1.07	0.01	1.07
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	10	1.07	0.01	1.07
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	10	1.07	0.01	1.07
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	10	1.07	0.01	1.07
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	10	1.07	0.01	1.07
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	10	1.07	0.01	1.07
(1,281)	1:9:A:GLY:HA3	1:9:A:GLY:HA2	10	1.04	0.0	1.04
(1,388)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	10	1.04	0.0	1.04
(1,500)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	10	1.04	0.0	1.04
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD11	10	1.04	0.41	1.16
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD12	10	1.04	0.41	1.16
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD13	10	1.04	0.41	1.16
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD11	10	1.04	0.41	1.16
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD12	10	1.04	0.41	1.16
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD13	10	1.04	0.41	1.16
(1,340)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	10	1.03	0.0	1.03
(1,415)	1:32:A:ALA:HB1	1:29:A:ILE:HA	10	1.02	0.04	1.03
(1,415)	1:32:A:ALA:HB2	1:29:A:ILE:HA	10	1.02	0.04	1.03
(1,415)	1:32:A:ALA:HB3	1:29:A:ILE:HA	10	1.02	0.04	1.03
(1,361)	1:29:A:ILE:HB	1:26:A:PHE:HA	10	0.99	0.19	1.04
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD11	10	0.98	0.02	0.97
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD12	10	0.98	0.02	0.97
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD13	10	0.98	0.02	0.97
(1,191)	1:19:A:TYR:HD1	1:19:A:TYR:HB2	10	0.98	0.09	1.03
(1,191)	1:19:A:TYR:HD2	1:19:A:TYR:HB2	10	0.98	0.09	1.03
(1,43)	1:12:A:LEU:HD21	1:12:A:LEU:H	10	0.96	0.01	0.96
(1,43)	1:12:A:LEU:HD22	1:12:A:LEU:H	10	0.96	0.01	0.96
(1,43)	1:12:A:LEU:HD23	1:12:A:LEU:H	10	0.96	0.01	0.96
(1,126)	1:30:A:ARG:HA	1:29:A:ILE:H	10	0.95	0.01	0.96
(1,68)	1:15:A:ILE:HG12	1:15:A:ILE:H	10	0.95	0.02	0.96
(1,371)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	10	0.95	0.0	0.95

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,423)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	10	0.95	0.0	0.95
(1,422)	1:18:A:LYS:HB3	1:18:A:LYS:HB2	10	0.95	0.0	0.95
(1,440)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	10	0.94	0.0	0.94
(1,523)	1:37:A:ILE:HG12	1:37:A:ILE:HG13	10	0.94	0.0	0.94
(1,401)	1:29:A:ILE:HG13	1:29:A:ILE:HB	10	0.93	0.03	0.95
(1,288)	1:29:A:ILE:HA	1:29:A:ILE:HG12	10	0.93	0.08	0.96
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB1	10	0.92	0.04	0.93
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB2	10	0.92	0.04	0.93
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB3	10	0.92	0.04	0.93
(1,324)	1:11:A:VAL:HB	1:11:A:VAL:HA	10	0.92	0.02	0.93
(1,421)	1:15:A:ILE:HG12	1:15:A:ILE:HB	10	0.92	0.01	0.92
(1,193)	1:19:A:TYR:HD1	1:19:A:TYR:HB3	10	0.91	0.07	0.88
(1,193)	1:19:A:TYR:HD2	1:19:A:TYR:HB3	10	0.91	0.07	0.88
(1,353)	1:34:A:ILE:HG12	1:34:A:ILE:HB	10	0.9	0.17	0.94
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	10	0.89	0.0	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	10	0.89	0.0	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	10	0.89	0.0	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	10	0.89	0.0	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	10	0.89	0.0	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	10	0.89	0.0	0.89
(1,494)	1:16:A:ILE:HD11	1:16:A:ILE:HG13	10	0.89	0.0	0.89
(1,494)	1:16:A:ILE:HD12	1:16:A:ILE:HG13	10	0.89	0.0	0.89
(1,494)	1:16:A:ILE:HD13	1:16:A:ILE:HG13	10	0.89	0.0	0.89
(1,369)	1:15:A:ILE:HB	1:15:A:ILE:HG13	10	0.88	0.01	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	10	0.88	0.0	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	10	0.88	0.0	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	10	0.88	0.0	0.88
(1,320)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	10	0.88	0.0	0.88
(1,274)	1:16:A:ILE:HA	1:20:A:PHE:HB2	10	0.86	0.27	0.88
(1,405)	1:31:A:LEU:HB2	1:28:A:VAL:HA	10	0.86	0.03	0.86
(1,462)	1:15:A:ILE:HD11	1:15:A:ILE:HA	10	0.85	0.03	0.86
(1,462)	1:15:A:ILE:HD12	1:15:A:ILE:HA	10	0.85	0.03	0.86
(1,462)	1:15:A:ILE:HD13	1:15:A:ILE:HA	10	0.85	0.03	0.86
(1,394)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	10	0.84	0.0	0.84
(1,441)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	10	0.84	0.0	0.84
(1,389)	1:7:A:ILE:HG13	1:7:A:ILE:HG12	10	0.84	0.0	0.84
(1,258)	1:9:A:GLY:HA2	1:9:A:GLY:HA3	10	0.84	0.0	0.84
(1,445)	1:37:A:ILE:HG13	1:37:A:ILE:HG12	10	0.84	0.0	0.84
(1,506)	1:11:A:VAL:HG11	1:11:A:VAL:HA	10	0.84	0.02	0.84
(1,506)	1:11:A:VAL:HG12	1:11:A:VAL:HA	10	0.84	0.02	0.84
(1,506)	1:11:A:VAL:HG13	1:11:A:VAL:HA	10	0.84	0.02	0.84
(1,351)	1:23:A:PRO:HB2	1:23:A:PRO:HB3	10	0.83	0.0	0.83

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,438)	1:29:A:ILE:HG12	1:29:A:ILE:HA	10	0.83	0.08	0.86
(1,277)	1:16:A:ILE:HG12	1:16:A:ILE:HA	10	0.82	0.03	0.82
(1,74)	1:16:A:ILE:HG13	1:16:A:ILE:H	10	0.8	0.07	0.8
(1,100)	1:8:A:VAL:H	1:9:A:GLY:H	10	0.79	0.03	0.8
(1,272)	1:23:A:PRO:HD3	1:23:A:PRO:HG3	10	0.79	0.01	0.78
(1,524)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	10	0.78	0.0	0.78
(1,524)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	10	0.78	0.0	0.78
(1,524)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	10	0.78	0.0	0.78
(1,470)	1:15:A:ILE:HD11	1:15:A:ILE:HG13	10	0.78	0.0	0.78
(1,470)	1:15:A:ILE:HD12	1:15:A:ILE:HG13	10	0.78	0.0	0.78
(1,470)	1:15:A:ILE:HD13	1:15:A:ILE:HG13	10	0.78	0.0	0.78
(1,86)	1:7:A:ILE:H	1:8:A:VAL:H	10	0.78	0.08	0.76
(1,432)	1:7:A:ILE:HG13	1:7:A:ILE:HB	10	0.76	0.25	0.92
(1,411)	1:34:A:ILE:HG13	1:34:A:ILE:HG12	10	0.76	0.0	0.76
(1,231)	1:24:A:THR:HA	1:24:A:THR:HB	10	0.75	0.03	0.76
(1,121)	1:11:A:VAL:HG21	1:11:A:VAL:H	10	0.75	0.03	0.74
(1,121)	1:11:A:VAL:HG22	1:11:A:VAL:H	10	0.75	0.03	0.74
(1,121)	1:11:A:VAL:HG23	1:11:A:VAL:H	10	0.75	0.03	0.74
(1,133)	1:14:A:ASP:HB3	1:15:A:ILE:H	10	0.74	0.06	0.74
(1,520)	1:19:A:TYR:HA	1:19:A:TYR:HB3	10	0.74	0.26	0.91
(1,188)	1:26:A:PHE:HD1	1:26:A:PHE:HB3	10	0.72	0.02	0.74
(1,188)	1:26:A:PHE:HD2	1:26:A:PHE:HB3	10	0.72	0.02	0.74
(1,398)	1:29:A:ILE:HG13	1:26:A:PHE:HA	10	0.71	0.2	0.77
(1,209)	1:23:A:PRO:HB3	1:23:A:PRO:HA	10	0.71	0.01	0.71
(1,195)	1:20:A:PHE:HD1	1:20:A:PHE:HB2	10	0.71	0.13	0.7
(1,195)	1:20:A:PHE:HD2	1:20:A:PHE:HB2	10	0.71	0.13	0.7
(1,2)	1:9:A:GLY:HA3	1:9:A:GLY:H	10	0.7	0.0	0.7
(1,453)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	10	0.7	0.02	0.7
(1,453)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	10	0.7	0.02	0.7
(1,453)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	10	0.7	0.02	0.7
(1,452)	1:15:A:ILE:HG21	1:15:A:ILE:HB	10	0.69	0.0	0.69
(1,452)	1:15:A:ILE:HG22	1:15:A:ILE:HB	10	0.69	0.0	0.69
(1,452)	1:15:A:ILE:HG23	1:15:A:ILE:HB	10	0.69	0.0	0.69
(1,414)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	10	0.69	0.0	0.69
(1,414)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	10	0.69	0.0	0.69
(1,414)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	10	0.69	0.0	0.69
(1,488)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	10	0.69	0.0	0.69
(1,488)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	10	0.69	0.0	0.69
(1,488)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	10	0.69	0.0	0.69
(1,450)	1:15:A:ILE:HG21	1:15:A:ILE:HA	10	0.68	0.02	0.69
(1,450)	1:15:A:ILE:HG22	1:15:A:ILE:HA	10	0.68	0.02	0.69
(1,450)	1:15:A:ILE:HG23	1:15:A:ILE:HA	10	0.68	0.02	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD11	10	0.68	0.0	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD12	10	0.68	0.0	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD13	10	0.68	0.0	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD11	10	0.68	0.0	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD12	10	0.68	0.0	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD13	10	0.68	0.0	0.68
(1,418)	1:37:A:ILE:HB	1:37:A:ILE:HG12	10	0.68	0.25	0.82
(1,430)	1:34:A:ILE:HG12	1:34:A:ILE:HG13	10	0.66	0.0	0.66
(1,564)	1:28:A:VAL:HG21	1:25:A:LEU:HA	10	0.66	0.32	0.66
(1,564)	1:28:A:VAL:HG22	1:25:A:LEU:HA	10	0.66	0.32	0.66
(1,564)	1:28:A:VAL:HG23	1:25:A:LEU:HA	10	0.66	0.32	0.66
(1,312)	1:14:A:ASP:HB2	1:14:A:ASP:HA	10	0.65	0.03	0.64
(1,539)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	10	0.65	0.0	0.65
(1,370)	1:36:A:ARG:HB2	1:36:A:ARG:HB3	10	0.65	0.01	0.65
(1,155)	1:4:A:ILE:H	1:5:A:LEU:H	10	0.65	0.07	0.64
(1,512)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	10	0.65	0.0	0.65
(1,514)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	10	0.64	0.0	0.64
(1,309)	1:14:A:ASP:HB3	1:14:A:ASP:HB2	10	0.64	0.0	0.64
(1,313)	1:14:A:ASP:HB2	1:14:A:ASP:HB3	10	0.64	0.0	0.64
(1,187)	1:21:A:PHE:HD1	1:21:A:PHE:HB2	10	0.64	0.09	0.65
(1,187)	1:21:A:PHE:HD2	1:21:A:PHE:HB2	10	0.64	0.09	0.65
(1,560)	1:27:A:ARG:HG3	1:27:A:ARG:HG2	10	0.63	0.01	0.63
(1,501)	1:16:A:ILE:HG21	1:16:A:ILE:HG12	10	0.63	0.02	0.64
(1,501)	1:16:A:ILE:HG22	1:16:A:ILE:HG12	10	0.63	0.02	0.64
(1,501)	1:16:A:ILE:HG23	1:16:A:ILE:HG12	10	0.63	0.02	0.64
(1,91)	1:20:A:PHE:H	1:19:A:TYR:H	10	0.63	0.11	0.6
(1,442)	1:16:A:ILE:HG12	1:16:A:ILE:HA	10	0.62	0.03	0.62
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG21	10	0.62	0.15	0.62
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG22	10	0.62	0.15	0.62
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG23	10	0.62	0.15	0.62
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG21	10	0.62	0.15	0.62
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG22	10	0.62	0.15	0.62
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG23	10	0.62	0.15	0.62
(1,331)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	10	0.62	0.01	0.62
(1,352)	1:16:A:ILE:HB	1:16:A:ILE:HG13	10	0.61	0.02	0.61
(1,374)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	10	0.6	0.02	0.6
(1,374)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	10	0.6	0.02	0.6
(1,374)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	10	0.6	0.02	0.6
(1,36)	1:28:A:VAL:HG21	1:28:A:VAL:H	10	0.6	0.1	0.6
(1,36)	1:28:A:VAL:HG22	1:28:A:VAL:H	10	0.6	0.1	0.6
(1,36)	1:28:A:VAL:HG23	1:28:A:VAL:H	10	0.6	0.1	0.6
(1,223)	1:15:A:ILE:HB	1:12:A:LEU:HA	10	0.6	0.04	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG21	10	0.6	0.01	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG22	10	0.6	0.01	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG23	10	0.6	0.01	0.6
(1,156)	1:9:A:GLY:H	1:8:A:VAL:H	10	0.59	0.03	0.6
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	10	0.59	0.0	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	10	0.59	0.0	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	10	0.59	0.0	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	10	0.59	0.0	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	10	0.59	0.0	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	10	0.59	0.0	0.59
(1,358)	1:34:A:ILE:HG13	1:34:A:ILE:HB	10	0.58	0.04	0.58
(1,90)	1:7:A:ILE:H	1:8:A:VAL:H	10	0.58	0.08	0.56
(1,344)	1:16:A:ILE:HB	1:16:A:ILE:HG12	10	0.58	0.0	0.58
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD11	10	0.57	0.02	0.57
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD12	10	0.57	0.02	0.57
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD13	10	0.57	0.02	0.57
(1,104)	1:17:A:GLN:HE22	1:17:A:GLN:HE21	10	0.57	0.0	0.57
(1,555)	1:7:A:ILE:HB	1:7:A:ILE:HG13	10	0.56	0.25	0.72
(1,198)	1:19:A:TYR:HA	1:19:A:TYR:HB2	10	0.56	0.34	0.28
(1,460)	1:16:A:ILE:HG21	1:16:A:ILE:HA	10	0.55	0.03	0.55
(1,460)	1:16:A:ILE:HG22	1:16:A:ILE:HA	10	0.55	0.03	0.55
(1,460)	1:16:A:ILE:HG23	1:16:A:ILE:HA	10	0.55	0.03	0.55
(1,378)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	10	0.55	0.0	0.55
(1,387)	1:36:A:ARG:HB3	1:36:A:ARG:HB2	10	0.55	0.01	0.55
(1,332)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	10	0.55	0.01	0.55
(1,302)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	10	0.54	0.0	0.54
(1,515)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	10	0.54	0.0	0.54
(1,538)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	10	0.54	0.0	0.54
(1,200)	1:21:A:PHE:HB2	1:21:A:PHE:HA	10	0.52	0.07	0.52
(1,210)	1:23:A:PRO:HG3	1:23:A:PRO:HA	10	0.52	0.04	0.52
(1,507)	1:11:A:VAL:HA	1:11:A:VAL:HB	10	0.52	0.02	0.53
(1,386)	1:16:A:ILE:HB	1:16:A:ILE:HG13	10	0.51	0.02	0.51
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD11	10	0.51	0.03	0.52
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD12	10	0.51	0.03	0.52
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD13	10	0.51	0.03	0.52
(1,317)	1:23:A:PRO:HB3	1:23:A:PRO:HA	10	0.51	0.01	0.51
(1,275)	1:16:A:ILE:HB	1:16:A:ILE:HA	10	0.5	0.0	0.5
(1,207)	1:36:A:ARG:HA	1:36:A:ARG:HB3	10	0.5	0.26	0.62
(1,338)	1:15:A:ILE:HB	1:12:A:LEU:HA	10	0.5	0.04	0.5
(1,469)	1:28:A:VAL:HG11	1:28:A:VAL:HB	10	0.49	0.0	0.49
(1,469)	1:28:A:VAL:HG12	1:28:A:VAL:HB	10	0.49	0.0	0.49
(1,469)	1:28:A:VAL:HG13	1:28:A:VAL:HB	10	0.49	0.0	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,106)	1:14:A:ASP:H	1:13:A:SER:H	10	0.49	0.05	0.5
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG21	10	0.49	0.0	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG22	10	0.49	0.0	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG23	10	0.49	0.0	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD11	10	0.49	0.0	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD12	10	0.49	0.0	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD13	10	0.49	0.0	0.49
(1,484)	1:34:A:ILE:HD11	1:34:A:ILE:HG13	10	0.48	0.01	0.48
(1,484)	1:34:A:ILE:HD12	1:34:A:ILE:HG13	10	0.48	0.01	0.48
(1,484)	1:34:A:ILE:HD13	1:34:A:ILE:HG13	10	0.48	0.01	0.48
(1,270)	1:15:A:ILE:HG21	1:15:A:ILE:HA	10	0.48	0.02	0.49
(1,270)	1:15:A:ILE:HG22	1:15:A:ILE:HA	10	0.48	0.02	0.49
(1,270)	1:15:A:ILE:HG23	1:15:A:ILE:HA	10	0.48	0.02	0.49
(1,409)	1:34:A:ILE:HG13	1:34:A:ILE:HB	10	0.48	0.04	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	10	0.48	0.0	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	10	0.48	0.0	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	10	0.48	0.0	0.48
(1,381)	1:37:A:ILE:HB	1:37:A:ILE:HG12	10	0.48	0.25	0.62
(1,45)	1:12:A:LEU:HB2	1:12:A:LEU:H	10	0.47	0.02	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG21	10	0.47	0.0	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG22	10	0.47	0.0	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG23	10	0.47	0.0	0.47
(1,448)	1:28:A:VAL:HG21	1:28:A:VAL:HB	10	0.47	0.0	0.47
(1,448)	1:28:A:VAL:HG22	1:28:A:VAL:HB	10	0.47	0.0	0.47
(1,448)	1:28:A:VAL:HG23	1:28:A:VAL:HB	10	0.47	0.0	0.47
(1,279)	1:16:A:ILE:HG21	1:16:A:ILE:HA	10	0.45	0.03	0.45
(1,279)	1:16:A:ILE:HG22	1:16:A:ILE:HA	10	0.45	0.03	0.45
(1,279)	1:16:A:ILE:HG23	1:16:A:ILE:HA	10	0.45	0.03	0.45
(1,439)	1:29:A:ILE:HG12	1:29:A:ILE:HB	10	0.45	0.03	0.46
(1,527)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	10	0.45	0.0	0.45
(1,513)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	10	0.45	0.0	0.45
(1,319)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	10	0.44	0.01	0.45
(1,77)	1:5:A:LEU:H	1:5:A:LEU:HB2	10	0.44	0.13	0.45
(1,293)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	10	0.44	0.0	0.44
(1,516)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	10	0.44	0.0	0.44
(1,517)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	10	0.44	0.0	0.44
(1,537)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	10	0.44	0.0	0.44
(1,108)	1:20:A:PHE:H	1:19:A:TYR:H	10	0.43	0.11	0.4
(1,180)	1:23:A:PRO:HD3	1:24:A:THR:HB	10	0.42	0.13	0.43
(1,120)	1:10:A:THR:HB	1:11:A:VAL:H	10	0.42	0.12	0.46
(1,276)	1:16:A:ILE:HA	1:16:A:ILE:HG13	10	0.42	0.06	0.4
(1,383)	1:16:A:ILE:HG13	1:16:A:ILE:HA	10	0.42	0.06	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,95)	1:14:A:ASP:HB3	1:14:A:ASP:H	10	0.41	0.08	0.4
(1,221)	1:12:A:LEU:HA	1:12:A:LEU:HB3	10	0.41	0.01	0.41
(1,87)	1:12:A:LEU:H	1:11:A:VAL:H	10	0.4	0.08	0.4
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG21	10	0.4	0.16	0.38
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG22	10	0.4	0.16	0.38
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG23	10	0.4	0.16	0.38
(1,12)	1:26:A:PHE:H	1:26:A:PHE:HB2	10	0.4	0.12	0.46
(1,111)	1:32:A:ALA:HB1	1:33:A:ARG:H	10	0.4	0.13	0.36
(1,111)	1:32:A:ALA:HB2	1:33:A:ARG:H	10	0.4	0.13	0.36
(1,111)	1:32:A:ALA:HB3	1:33:A:ARG:H	10	0.4	0.13	0.36
(1,435)	1:24:A:THR:HG1	1:24:A:THR:HA	10	0.4	0.07	0.4
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG11	10	0.39	0.03	0.4
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG12	10	0.39	0.03	0.4
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG13	10	0.39	0.03	0.4
(1,63)	1:31:A:LEU:HB2	1:31:A:LEU:H	10	0.39	0.02	0.4
(1,99)	1:32:A:ALA:HB1	1:32:A:ALA:H	10	0.38	0.05	0.35
(1,99)	1:32:A:ALA:HB2	1:32:A:ALA:H	10	0.38	0.05	0.35
(1,99)	1:32:A:ALA:HB3	1:32:A:ALA:H	10	0.38	0.05	0.35
(1,549)	1:7:A:ILE:HB	1:7:A:ILE:HA	10	0.38	0.01	0.38
(1,96)	1:14:A:ASP:HB2	1:14:A:ASP:H	10	0.38	0.06	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG21	10	0.38	0.0	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG22	10	0.38	0.0	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG23	10	0.38	0.0	0.38
(1,318)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	10	0.38	0.0	0.38
(1,444)	1:16:A:ILE:HG12	1:16:A:ILE:HB	10	0.38	0.0	0.38
(1,509)	1:11:A:VAL:HG11	1:11:A:VAL:HB	10	0.37	0.0	0.37
(1,509)	1:11:A:VAL:HG12	1:11:A:VAL:HB	10	0.37	0.0	0.37
(1,509)	1:11:A:VAL:HG13	1:11:A:VAL:HB	10	0.37	0.0	0.37
(1,528)	1:28:A:VAL:HG21	1:28:A:VAL:HB	10	0.37	0.0	0.37
(1,528)	1:28:A:VAL:HG22	1:28:A:VAL:HB	10	0.37	0.0	0.37
(1,528)	1:28:A:VAL:HG23	1:28:A:VAL:HB	10	0.37	0.0	0.37
(1,544)	1:3:A:VAL:HG21	1:3:A:VAL:HB	10	0.37	0.0	0.37
(1,544)	1:3:A:VAL:HG22	1:3:A:VAL:HB	10	0.37	0.0	0.37
(1,544)	1:3:A:VAL:HG23	1:3:A:VAL:HB	10	0.37	0.0	0.37
(1,372)	1:29:A:ILE:HB	1:29:A:ILE:HG12	10	0.35	0.03	0.36
(1,204)	1:14:A:ASP:HB2	1:14:A:ASP:HA	10	0.35	0.03	0.34
(1,92)	1:20:A:PHE:H	1:21:A:PHE:H	10	0.34	0.2	0.28
(1,508)	1:11:A:VAL:HG11	1:11:A:VAL:HA	10	0.34	0.02	0.34
(1,508)	1:11:A:VAL:HG12	1:11:A:VAL:HA	10	0.34	0.02	0.34
(1,508)	1:11:A:VAL:HG13	1:11:A:VAL:HA	10	0.34	0.02	0.34
(1,208)	1:23:A:PRO:HB2	1:23:A:PRO:HA	10	0.33	0.01	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG21	10	0.33	0.0	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG22	10	0.33	0.0	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG23	10	0.33	0.0	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG21	10	0.33	0.0	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG22	10	0.33	0.0	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG23	10	0.33	0.0	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG21	10	0.33	0.0	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG22	10	0.33	0.0	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG23	10	0.33	0.0	0.33
(1,182)	1:11:A:VAL:HG11	1:12:A:LEU:HA	10	0.32	0.02	0.32
(1,182)	1:11:A:VAL:HG12	1:12:A:LEU:HA	10	0.32	0.02	0.32
(1,182)	1:11:A:VAL:HG13	1:12:A:LEU:HA	10	0.32	0.02	0.32
(1,269)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	10	0.32	0.01	0.32
(1,88)	1:13:A:SER:H	1:12:A:LEU:H	10	0.32	0.04	0.32
(1,125)	1:7:A:ILE:HB	1:8:A:VAL:H	10	0.31	0.11	0.32
(1,459)	1:28:A:VAL:HG11	1:28:A:VAL:HA	10	0.3	0.06	0.29
(1,459)	1:28:A:VAL:HG12	1:28:A:VAL:HA	10	0.3	0.06	0.29
(1,459)	1:28:A:VAL:HG13	1:28:A:VAL:HA	10	0.3	0.06	0.29
(1,474)	1:37:A:ILE:HG21	1:37:A:ILE:HA	10	0.3	0.05	0.32
(1,474)	1:37:A:ILE:HG22	1:37:A:ILE:HA	10	0.3	0.05	0.32
(1,474)	1:37:A:ILE:HG23	1:37:A:ILE:HA	10	0.3	0.05	0.32
(1,89)	1:12:A:LEU:H	1:11:A:VAL:H	10	0.3	0.08	0.3
(1,343)	1:16:A:ILE:HB	1:16:A:ILE:HA	10	0.3	0.0	0.3
(1,285)	1:29:A:ILE:HA	1:29:A:ILE:HB	10	0.3	0.01	0.3
(1,268)	1:15:A:ILE:HG12	1:15:A:ILE:HA	10	0.3	0.05	0.29
(1,263)	1:24:A:THR:HA	1:24:A:THR:HG1	10	0.3	0.07	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG21	10	0.3	0.01	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG22	10	0.3	0.01	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG23	10	0.3	0.01	0.3
(1,264)	1:15:A:ILE:HB	1:15:A:ILE:HA	10	0.28	0.0	0.28
(1,337)	1:15:A:ILE:HB	1:15:A:ILE:HA	10	0.28	0.0	0.28
(1,326)	1:11:A:VAL:HG21	1:11:A:VAL:HB	10	0.28	0.0	0.28
(1,326)	1:11:A:VAL:HG22	1:11:A:VAL:HB	10	0.28	0.0	0.28
(1,326)	1:11:A:VAL:HG23	1:11:A:VAL:HB	10	0.28	0.0	0.28
(1,75)	1:15:A:ILE:H	1:16:A:ILE:H	10	0.28	0.06	0.27
(1,467)	1:16:A:ILE:HG21	1:16:A:ILE:HB	10	0.28	0.0	0.28
(1,467)	1:16:A:ILE:HG22	1:16:A:ILE:HB	10	0.28	0.0	0.28
(1,467)	1:16:A:ILE:HG23	1:16:A:ILE:HB	10	0.28	0.0	0.28
(1,553)	1:7:A:ILE:HG21	1:7:A:ILE:HB	10	0.28	0.0	0.28
(1,553)	1:7:A:ILE:HG22	1:7:A:ILE:HB	10	0.28	0.0	0.28
(1,553)	1:7:A:ILE:HG23	1:7:A:ILE:HB	10	0.28	0.0	0.28
(1,417)	1:32:A:ALA:HB1	1:32:A:ALA:HA	10	0.28	0.0	0.28
(1,417)	1:32:A:ALA:HB2	1:32:A:ALA:HA	10	0.28	0.0	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,417)	1:32:A:ALA:HB3	1:32:A:ALA:HA	10	0.28	0.0	0.28
(1,354)	1:23:A:PRO:HB2	1:23:A:PRO:HG2	10	0.27	0.01	0.27
(1,244)	1:18:A:LYS:HA	1:18:A:LYS:HB3	10	0.26	0.15	0.2
(1,214)	1:13:A:SER:HB2	1:13:A:SER:HA	10	0.24	0.05	0.24
(1,48)	1:8:A:VAL:HA	1:8:A:VAL:H	10	0.24	0.01	0.24
(1,72)	1:16:A:ILE:HA	1:16:A:ILE:H	10	0.23	0.02	0.22
(1,220)	1:12:A:LEU:HB2	1:12:A:LEU:HA	10	0.22	0.0	0.22
(1,105)	1:12:A:LEU:H	1:13:A:SER:H	10	0.22	0.04	0.22
(1,360)	1:29:A:ILE:HB	1:29:A:ILE:HA	10	0.2	0.01	0.2
(1,1)	1:9:A:GLY:HA2	1:9:A:GLY:H	10	0.19	0.01	0.19
(1,73)	1:16:A:ILE:HB	1:16:A:ILE:H	10	0.19	0.04	0.2
(1,94)	1:13:A:SER:H	1:14:A:ASP:H	10	0.19	0.05	0.2
(1,468)	1:34:A:ILE:HG21	1:34:A:ILE:HB	10	0.19	0.0	0.19
(1,468)	1:34:A:ILE:HG22	1:34:A:ILE:HB	10	0.19	0.0	0.19
(1,468)	1:34:A:ILE:HG23	1:34:A:ILE:HB	10	0.19	0.0	0.19
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG11	10	0.18	0.01	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG12	10	0.18	0.01	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG13	10	0.18	0.01	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB1	10	0.18	0.0	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB2	10	0.18	0.0	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB3	10	0.18	0.0	0.18
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG21	10	0.18	0.01	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG22	10	0.18	0.01	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG23	10	0.18	0.01	0.17
(1,457)	1:3:A:VAL:HG21	1:3:A:VAL:HB	10	0.17	0.0	0.17
(1,457)	1:3:A:VAL:HG22	1:3:A:VAL:HB	10	0.17	0.0	0.17
(1,457)	1:3:A:VAL:HG23	1:3:A:VAL:HB	10	0.17	0.0	0.17
(1,3)	1:19:A:TYR:HA	1:19:A:TYR:H	10	0.16	0.01	0.16
(1,76)	1:5:A:LEU:HA	1:5:A:LEU:H	10	0.15	0.02	0.16
(1,47)	1:12:A:LEU:H	1:12:A:LEU:HA	10	0.15	0.01	0.15
(1,306)	1:20:A:PHE:HB3	1:16:A:ILE:HA	9	1.3	0.2	1.42
(1,325)	1:8:A:VAL:HB	1:5:A:LEU:HA	9	1.18	0.06	1.17
(1,230)	1:34:A:ILE:HD11	1:34:A:ILE:HA	9	1.04	0.02	1.04
(1,230)	1:34:A:ILE:HD12	1:34:A:ILE:HA	9	1.04	0.02	1.04
(1,230)	1:34:A:ILE:HD13	1:34:A:ILE:HA	9	1.04	0.02	1.04
(1,101)	1:8:A:VAL:HB	1:9:A:GLY:H	9	0.86	0.04	0.87
(1,31)	1:34:A:ILE:HG12	1:34:A:ILE:H	9	0.68	0.13	0.7
(1,463)	1:4:A:ILE:HD11	1:4:A:ILE:HA	9	0.58	0.04	0.6
(1,463)	1:4:A:ILE:HD12	1:4:A:ILE:HA	9	0.58	0.04	0.6
(1,463)	1:4:A:ILE:HD13	1:4:A:ILE:HA	9	0.58	0.04	0.6
(1,429)	1:34:A:ILE:HG12	1:34:A:ILE:HB	9	0.56	0.03	0.55
(1,245)	1:18:A:LYS:HA	1:18:A:LYS:HB2	9	0.51	0.07	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,167)	1:5:A:LEU:HA	1:5:A:LEU:HB3	9	0.49	0.05	0.5
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG21	9	0.42	0.02	0.42
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG22	9	0.42	0.02	0.42
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG23	9	0.42	0.02	0.42
(1,49)	1:8:A:VAL:HB	1:8:A:VAL:H	9	0.4	0.03	0.4
(1,546)	1:5:A:LEU:HB3	1:5:A:LEU:HA	9	0.39	0.05	0.4
(1,50)	1:8:A:VAL:HG21	1:8:A:VAL:H	9	0.38	0.07	0.39
(1,50)	1:8:A:VAL:HG22	1:8:A:VAL:H	9	0.38	0.07	0.39
(1,50)	1:8:A:VAL:HG23	1:8:A:VAL:H	9	0.38	0.07	0.39
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG21	9	0.35	0.04	0.35
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG22	9	0.35	0.04	0.35
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG23	9	0.35	0.04	0.35
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD11	9	0.34	0.13	0.27
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD12	9	0.34	0.13	0.27
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD13	9	0.34	0.13	0.27
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG21	9	0.32	0.02	0.32
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG22	9	0.32	0.02	0.32
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG23	9	0.32	0.02	0.32
(1,93)	1:16:A:ILE:H	1:17:A:GLN:H	9	0.29	0.1	0.23
(1,199)	1:20:A:PHE:HA	1:20:A:PHE:HB2	9	0.28	0.07	0.28
(1,237)	1:27:A:ARG:HA	1:27:A:ARG:HB2	9	0.28	0.14	0.25
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD11	9	0.25	0.09	0.21
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD12	9	0.25	0.09	0.21
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD13	9	0.25	0.09	0.21
(1,447)	1:28:A:VAL:HG21	1:28:A:VAL:HA	9	0.24	0.05	0.25
(1,447)	1:28:A:VAL:HG22	1:28:A:VAL:HA	9	0.24	0.05	0.25
(1,447)	1:28:A:VAL:HG23	1:28:A:VAL:HA	9	0.24	0.05	0.25
(1,545)	1:3:A:VAL:HG21	1:3:A:VAL:HA	9	0.21	0.05	0.23
(1,545)	1:3:A:VAL:HG22	1:3:A:VAL:HA	9	0.21	0.05	0.23
(1,545)	1:3:A:VAL:HG23	1:3:A:VAL:HA	9	0.21	0.05	0.23
(1,228)	1:34:A:ILE:HG21	1:34:A:ILE:HA	9	0.19	0.04	0.18
(1,228)	1:34:A:ILE:HG22	1:34:A:ILE:HA	9	0.19	0.04	0.18
(1,228)	1:34:A:ILE:HG23	1:34:A:ILE:HA	9	0.19	0.04	0.18
(1,464)	1:34:A:ILE:HG21	1:34:A:ILE:HA	9	0.19	0.04	0.18
(1,464)	1:34:A:ILE:HG22	1:34:A:ILE:HA	9	0.19	0.04	0.18
(1,464)	1:34:A:ILE:HG23	1:34:A:ILE:HA	9	0.19	0.04	0.18
(1,407)	1:12:A:LEU:HB3	1:12:A:LEU:HA	9	0.11	0.01	0.11
(1,437)	1:18:A:LYS:HD2	1:18:A:LYS:HB3	8	0.94	0.08	0.96
(1,314)	1:17:A:GLN:HA	1:17:A:GLN:HG3	8	0.62	0.27	0.48
(1,252)	1:17:A:GLN:HA	1:17:A:GLN:HG3	8	0.52	0.27	0.38
(1,402)	1:27:A:ARG:HB2	1:27:A:ARG:HG3	8	0.48	0.2	0.38
(1,26)	1:21:A:PHE:HB2	1:21:A:PHE:H	8	0.36	0.1	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,157)	1:4:A:ILE:H	1:3:A:VAL:HB	8	0.34	0.14	0.3
(1,23)	1:20:A:PHE:H	1:20:A:PHE:HB2	8	0.31	0.12	0.32
(1,410)	1:36:A:ARG:HG2	1:36:A:ARG:HB2	8	0.26	0.05	0.26
(1,303)	1:30:A:ARG:HD3	1:30:A:ARG:HB2	8	0.24	0.08	0.26
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD11	8	0.21	0.04	0.22
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD12	8	0.21	0.04	0.22
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD13	8	0.21	0.04	0.22
(1,71)	1:17:A:GLN:H	1:16:A:ILE:H	8	0.21	0.1	0.18
(1,38)	1:29:A:ILE:HB	1:29:A:ILE:H	8	0.17	0.05	0.16
(1,158)	1:12:A:LEU:HB2	1:13:A:SER:H	8	0.17	0.05	0.16
(1,315)	1:17:A:GLN:HB2	1:17:A:GLN:HG3	8	0.16	0.04	0.16
(1,529)	1:28:A:VAL:HG21	1:28:A:VAL:HA	8	0.16	0.03	0.16
(1,529)	1:28:A:VAL:HG22	1:28:A:VAL:HA	8	0.16	0.03	0.16
(1,529)	1:28:A:VAL:HG23	1:28:A:VAL:HA	8	0.16	0.03	0.16
(1,295)	1:36:A:ARG:HD2	1:36:A:ARG:HA	7	1.2	0.4	1.38
(1,205)	1:36:A:ARG:HD2	1:36:A:ARG:HA	7	1.0	0.4	1.18
(1,176)	1:33:A:ARG:HA	1:33:A:ARG:HD2	7	0.79	0.07	0.78
(1,301)	1:33:A:ARG:HD2	1:33:A:ARG:HA	7	0.79	0.07	0.78
(1,416)	1:37:A:ILE:HG12	1:37:A:ILE:HA	7	0.74	0.33	0.94
(1,250)	1:25:A:LEU:HB3	1:25:A:LEU:HA	7	0.68	0.07	0.64
(1,399)	1:27:A:ARG:HA	1:27:A:ARG:HG3	7	0.64	0.23	0.69
(1,384)	1:7:A:ILE:HA	1:7:A:ILE:HG12	7	0.59	0.3	0.83
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD11	7	0.59	0.07	0.58
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD12	7	0.59	0.07	0.58
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD13	7	0.59	0.07	0.58
(1,393)	1:25:A:LEU:HB3	1:25:A:LEU:HA	7	0.58	0.07	0.54
(1,233)	1:37:A:ILE:HA	1:37:A:ILE:HG12	7	0.54	0.33	0.74
(1,186)	1:26:A:PHE:HD1	1:26:A:PHE:HA	7	0.53	0.31	0.59
(1,186)	1:26:A:PHE:HD2	1:26:A:PHE:HA	7	0.53	0.31	0.59
(1,443)	1:37:A:ILE:HG13	1:37:A:ILE:HA	7	0.51	0.36	0.22
(1,4)	1:19:A:TYR:HB2	1:19:A:TYR:H	7	0.42	0.1	0.43
(1,60)	1:27:A:ARG:HB2	1:27:A:ARG:H	7	0.41	0.05	0.38
(1,122)	1:11:A:VAL:HG11	1:11:A:VAL:H	7	0.24	0.03	0.25
(1,122)	1:11:A:VAL:HG12	1:11:A:VAL:H	7	0.24	0.03	0.25
(1,122)	1:11:A:VAL:HG13	1:11:A:VAL:H	7	0.24	0.03	0.25
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD11	7	0.24	0.09	0.23
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD12	7	0.24	0.09	0.23
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD13	7	0.24	0.09	0.23
(1,373)	1:36:A:ARG:HB2	1:36:A:ARG:HG2	7	0.18	0.03	0.17
(1,151)	1:26:A:PHE:HD1	1:26:A:PHE:H	6	1.28	0.16	1.3
(1,151)	1:26:A:PHE:HD2	1:26:A:PHE:H	6	1.28	0.16	1.3
(1,78)	1:5:A:LEU:HG	1:5:A:LEU:H	6	1.02	0.08	1.04

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,190)	1:19:A:TYR:HD1	1:15:A:ILE:HA	6	0.82	0.21	0.78
(1,190)	1:19:A:TYR:HD2	1:15:A:ILE:HA	6	0.82	0.21	0.78
(1,330)	1:17:A:GLN:HB3	1:14:A:ASP:HA	6	0.81	0.32	0.89
(1,350)	1:27:A:ARG:HB2	1:27:A:ARG:HD3	6	0.73	0.23	0.82
(1,562)	1:27:A:ARG:HD3	1:27:A:ARG:HB2	6	0.73	0.23	0.82
(1,114)	1:19:A:TYR:HB2	1:20:A:PHE:H	6	0.64	0.05	0.64
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG21	6	0.64	0.08	0.63
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG22	6	0.64	0.08	0.63
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG23	6	0.64	0.08	0.63
(1,390)	1:36:A:ARG:HB3	1:36:A:ARG:HG2	6	0.55	0.06	0.55
(1,552)	1:7:A:ILE:HB	1:7:A:ILE:HG12	6	0.52	0.06	0.54
(1,385)	1:36:A:ARG:HB3	1:36:A:ARG:HA	6	0.51	0.07	0.53
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD11	6	0.44	0.03	0.45
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD12	6	0.44	0.03	0.45
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD13	6	0.44	0.03	0.45
(1,307)	1:14:A:ASP:HB3	1:11:A:VAL:HA	6	0.42	0.16	0.42
(1,216)	1:26:A:PHE:HA	1:26:A:PHE:HB3	6	0.37	0.03	0.37
(1,24)	1:20:A:PHE:H	1:21:A:PHE:H	6	0.37	0.17	0.33
(1,427)	1:10:A:THR:HG1	1:10:A:THR:HA	6	0.32	0.05	0.33
(1,260)	1:17:A:GLN:HA	1:21:A:PHE:HB3	6	0.25	0.05	0.26
(1,112)	1:32:A:ALA:H	1:33:A:ARG:H	6	0.19	0.03	0.2
(1,510)	1:26:A:PHE:HB3	1:26:A:PHE:HA	6	0.17	0.03	0.17
(1,124)	1:5:A:LEU:HA	1:8:A:VAL:H	6	0.17	0.05	0.15
(1,102)	1:8:A:VAL:HG11	1:9:A:GLY:H	6	0.16	0.08	0.14
(1,102)	1:8:A:VAL:HG12	1:9:A:GLY:H	6	0.16	0.08	0.14
(1,102)	1:8:A:VAL:HG13	1:9:A:GLY:H	6	0.16	0.08	0.14
(1,232)	1:6:A:SER:HB3	1:6:A:SER:HA	6	0.16	0.01	0.16
(1,273)	1:6:A:SER:HB3	1:6:A:SER:HA	6	0.16	0.01	0.16
(1,362)	1:33:A:ARG:HB3	1:33:A:ARG:HA	6	0.16	0.03	0.16
(1,138)	1:29:A:ILE:HA	1:32:A:ALA:H	6	0.16	0.02	0.15
(1,246)	1:30:A:ARG:HA	1:30:A:ARG:HB2	6	0.14	0.02	0.14
(1,66)	1:15:A:ILE:HB	1:15:A:ILE:H	6	0.13	0.02	0.14
(1,551)	1:7:A:ILE:HG21	1:7:A:ILE:HA	6	0.13	0.01	0.13
(1,551)	1:7:A:ILE:HG22	1:7:A:ILE:HA	6	0.13	0.01	0.13
(1,551)	1:7:A:ILE:HG23	1:7:A:ILE:HA	6	0.13	0.01	0.13
(1,179)	1:19:A:TYR:HB2	1:18:A:LYS:HD2	5	0.84	0.27	0.88
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD11	5	0.84	0.47	0.91
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD12	5	0.84	0.47	0.91
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD13	5	0.84	0.47	0.91
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD11	5	0.84	0.47	0.91
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD12	5	0.84	0.47	0.91
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD13	5	0.84	0.47	0.91

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,235)	1:27:A:ARG:HA	1:27:A:ARG:HD3	5	0.73	0.7	0.19
(1,170)	1:14:A:ASP:HA	1:17:A:GLN:HB3	5	0.71	0.24	0.74
(1,85)	1:36:A:ARG:H	1:37:A:ILE:H	5	0.39	0.24	0.45
(1,20)	1:17:A:GLN:HB2	1:17:A:GLN:H	5	0.38	0.13	0.37
(1,428)	1:34:A:ILE:HG12	1:34:A:ILE:HA	5	0.3	0.22	0.22
(1,518)	1:14:A:ASP:HB2	1:11:A:VAL:HA	5	0.24	0.11	0.2
(1,434)	1:24:A:THR:HG1	1:24:A:THR:HB	5	0.21	0.06	0.21
(1,144)	1:36:A:ARG:HA	1:37:A:ILE:H	5	0.2	0.06	0.16
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD11	4	1.32	0.34	1.51
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD12	4	1.32	0.34	1.51
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD13	4	1.32	0.34	1.51
(1,9)	1:33:A:ARG:HB2	1:33:A:ARG:H	4	0.64	0.05	0.64
(1,550)	1:7:A:ILE:HG13	1:7:A:ILE:HA	4	0.62	0.28	0.77
(1,300)	1:26:A:PHE:HB3	1:23:A:PRO:HA	4	0.6	0.15	0.53
(1,83)	1:37:A:ILE:HG13	1:37:A:ILE:H	4	0.56	0.07	0.52
(1,554)	1:7:A:ILE:HA	1:7:A:ILE:HG12	4	0.55	0.02	0.55
(1,563)	1:24:A:THR:HA	1:27:A:ARG:HB2	4	0.55	0.14	0.55
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG21	4	0.53	0.27	0.6
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG22	4	0.53	0.27	0.6
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG23	4	0.53	0.27	0.6
(1,175)	1:4:A:ILE:HB	1:4:A:ILE:HA	4	0.51	0.11	0.57
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD21	4	0.51	0.47	0.28
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD22	4	0.51	0.47	0.28
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD23	4	0.51	0.47	0.28
(1,206)	1:36:A:ARG:HA	1:36:A:ARG:HB2	4	0.47	0.05	0.46
(1,215)	1:26:A:PHE:HA	1:26:A:PHE:HB2	4	0.44	0.01	0.44
(1,54)	1:30:A:ARG:HD3	1:30:A:ARG:H	4	0.42	0.21	0.38
(1,347)	1:4:A:ILE:HB	1:4:A:ILE:HA	4	0.41	0.11	0.47
(1,261)	1:17:A:GLN:HA	1:17:A:GLN:HB3	4	0.4	0.03	0.41
(1,368)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	4	0.39	0.21	0.4
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG21	4	0.39	0.17	0.42
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG22	4	0.39	0.17	0.42
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG23	4	0.39	0.17	0.42
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG21	4	0.39	0.17	0.42
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG22	4	0.39	0.17	0.42
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG23	4	0.39	0.17	0.42
(1,5)	1:19:A:TYR:HB3	1:19:A:TYR:H	4	0.37	0.03	0.36
(1,257)	1:28:A:VAL:HG21	1:25:A:LEU:HA	4	0.37	0.2	0.27
(1,257)	1:28:A:VAL:HG22	1:25:A:LEU:HA	4	0.37	0.2	0.27
(1,257)	1:28:A:VAL:HG23	1:25:A:LEU:HA	4	0.37	0.2	0.27
(1,431)	1:4:A:ILE:HG12	1:4:A:ILE:HA	4	0.33	0.29	0.2
(1,19)	1:17:A:GLN:HB3	1:17:A:GLN:H	4	0.32	0.0	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,259)	1:14:A:ASP:HB3	1:11:A:VAL:HA	4	0.31	0.09	0.32
(1,243)	1:25:A:LEU:HB2	1:25:A:LEU:HA	4	0.29	0.05	0.31
(1,400)	1:27:A:ARG:HD3	1:27:A:ARG:HG3	4	0.28	0.01	0.28
(1,367)	1:36:A:ARG:HB2	1:36:A:ARG:HA	4	0.27	0.05	0.26
(1,161)	1:28:A:VAL:H	1:27:A:ARG:HG3	4	0.26	0.08	0.29
(1,348)	1:27:A:ARG:HB2	1:27:A:ARG:HA	4	0.21	0.11	0.2
(1,329)	1:17:A:GLN:HA	1:17:A:GLN:HB3	4	0.2	0.03	0.21
(1,284)	1:28:A:VAL:HG11	1:28:A:VAL:HA	4	0.16	0.06	0.14
(1,284)	1:28:A:VAL:HG12	1:28:A:VAL:HA	4	0.16	0.06	0.14
(1,284)	1:28:A:VAL:HG13	1:28:A:VAL:HA	4	0.16	0.06	0.14
(1,426)	1:10:A:THR:HG1	1:10:A:THR:HB	4	0.16	0.04	0.16
(1,81)	1:37:A:ILE:HB	1:37:A:ILE:H	4	0.12	0.02	0.12
(1,202)	1:21:A:PHE:HA	1:25:A:LEU:HD21	3	1.54	0.03	1.54
(1,202)	1:21:A:PHE:HA	1:25:A:LEU:HD22	3	1.54	0.03	1.54
(1,202)	1:21:A:PHE:HA	1:25:A:LEU:HD23	3	1.54	0.03	1.54
(1,189)	1:26:A:PHE:HD1	1:25:A:LEU:HD21	3	1.17	0.01	1.18
(1,189)	1:26:A:PHE:HD1	1:25:A:LEU:HD22	3	1.17	0.01	1.18
(1,189)	1:26:A:PHE:HD1	1:25:A:LEU:HD23	3	1.17	0.01	1.18
(1,189)	1:26:A:PHE:HD2	1:25:A:LEU:HD21	3	1.17	0.01	1.18
(1,189)	1:26:A:PHE:HD2	1:25:A:LEU:HD22	3	1.17	0.01	1.18
(1,189)	1:26:A:PHE:HD2	1:25:A:LEU:HD23	3	1.17	0.01	1.18
(1,84)	1:37:A:ILE:HD11	1:37:A:ILE:H	3	1.17	0.08	1.23
(1,84)	1:37:A:ILE:HD12	1:37:A:ILE:H	3	1.17	0.08	1.23
(1,84)	1:37:A:ILE:HD13	1:37:A:ILE:H	3	1.17	0.08	1.23
(1,525)	1:37:A:ILE:HD11	1:37:A:ILE:HA	3	1.0	0.01	1.0
(1,525)	1:37:A:ILE:HD12	1:37:A:ILE:HA	3	1.0	0.01	1.0
(1,525)	1:37:A:ILE:HD13	1:37:A:ILE:HA	3	1.0	0.01	1.0
(1,79)	1:5:A:LEU:HD21	1:5:A:LEU:H	3	0.9	0.13	0.91
(1,79)	1:5:A:LEU:HD22	1:5:A:LEU:H	3	0.9	0.13	0.91
(1,79)	1:5:A:LEU:HD23	1:5:A:LEU:H	3	0.9	0.13	0.91
(1,256)	1:25:A:LEU:HA	1:25:A:LEU:HD21	3	0.86	0.02	0.87
(1,256)	1:25:A:LEU:HA	1:25:A:LEU:HD22	3	0.86	0.02	0.87
(1,256)	1:25:A:LEU:HA	1:25:A:LEU:HD23	3	0.86	0.02	0.87
(1,278)	1:16:A:ILE:HA	1:25:A:LEU:HD21	3	0.86	0.16	0.96
(1,278)	1:16:A:ILE:HA	1:25:A:LEU:HD22	3	0.86	0.16	0.96
(1,278)	1:16:A:ILE:HA	1:25:A:LEU:HD23	3	0.86	0.16	0.96
(1,21)	1:17:A:GLN:HG3	1:17:A:GLN:H	3	0.74	0.14	0.82
(1,476)	1:5:A:LEU:HA	1:5:A:LEU:HD11	3	0.72	0.02	0.73
(1,476)	1:5:A:LEU:HA	1:5:A:LEU:HD12	3	0.72	0.02	0.73
(1,476)	1:5:A:LEU:HA	1:5:A:LEU:HD13	3	0.72	0.02	0.73
(1,255)	1:7:A:ILE:HA	1:7:A:ILE:HG13	3	0.68	0.02	0.69
(1,487)	1:25:A:LEU:HD21	1:25:A:LEU:HA	3	0.66	0.02	0.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,487)	1:25:A:LEU:HD22	1:25:A:LEU:HA	3	0.66	0.02	0.67
(1,487)	1:25:A:LEU:HD23	1:25:A:LEU:HA	3	0.66	0.02	0.67
(1,82)	1:37:A:ILE:HG12	1:37:A:ILE:H	3	0.65	0.18	0.65
(1,299)	1:36:A:ARG:HD2	1:34:A:ILE:HG21	3	0.63	0.22	0.6
(1,299)	1:36:A:ARG:HD2	1:34:A:ILE:HG22	3	0.63	0.22	0.6
(1,299)	1:36:A:ARG:HD2	1:34:A:ILE:HG23	3	0.63	0.22	0.6
(1,225)	1:34:A:ILE:HG12	1:31:A:LEU:HA	3	0.41	0.13	0.37
(1,10)	1:33:A:ARG:HD2	1:33:A:ARG:H	3	0.4	0.14	0.49
(1,196)	1:20:A:PHE:HD1	1:16:A:ILE:HG21	3	0.37	0.13	0.46
(1,196)	1:20:A:PHE:HD1	1:16:A:ILE:HG22	3	0.37	0.13	0.46
(1,196)	1:20:A:PHE:HD1	1:16:A:ILE:HG23	3	0.37	0.13	0.46
(1,196)	1:20:A:PHE:HD2	1:16:A:ILE:HG21	3	0.37	0.13	0.46
(1,196)	1:20:A:PHE:HD2	1:16:A:ILE:HG22	3	0.37	0.13	0.46
(1,196)	1:20:A:PHE:HD2	1:16:A:ILE:HG23	3	0.37	0.13	0.46
(1,183)	1:21:A:PHE:HD1	1:16:A:ILE:HG21	3	0.32	0.06	0.35
(1,183)	1:21:A:PHE:HD1	1:16:A:ILE:HG22	3	0.32	0.06	0.35
(1,183)	1:21:A:PHE:HD1	1:16:A:ILE:HG23	3	0.32	0.06	0.35
(1,183)	1:21:A:PHE:HD2	1:16:A:ILE:HG21	3	0.32	0.06	0.35
(1,183)	1:21:A:PHE:HD2	1:16:A:ILE:HG22	3	0.32	0.06	0.35
(1,183)	1:21:A:PHE:HD2	1:16:A:ILE:HG23	3	0.32	0.06	0.35
(1,153)	1:27:A:ARG:HB2	1:28:A:VAL:H	3	0.32	0.03	0.3
(1,559)	1:27:A:ARG:HB2	1:27:A:ARG:HG2	3	0.31	0.11	0.35
(1,364)	1:29:A:ILE:HB	1:29:A:ILE:HD11	3	0.16	0.04	0.15
(1,364)	1:29:A:ILE:HB	1:29:A:ILE:HD12	3	0.16	0.04	0.15
(1,364)	1:29:A:ILE:HB	1:29:A:ILE:HD13	3	0.16	0.04	0.15
(1,116)	1:26:A:PHE:H	1:25:A:LEU:H	3	0.14	0.02	0.12
(1,154)	1:33:A:ARG:H	1:32:A:ALA:H	3	0.12	0.01	0.12
(1,291)	1:29:A:ILE:HA	1:29:A:ILE:HG21	3	0.11	0.02	0.1
(1,291)	1:29:A:ILE:HA	1:29:A:ILE:HG22	3	0.11	0.02	0.1
(1,291)	1:29:A:ILE:HA	1:29:A:ILE:HG23	3	0.11	0.02	0.1
(1,461)	1:29:A:ILE:HA	1:29:A:ILE:HG21	3	0.11	0.02	0.1
(1,461)	1:29:A:ILE:HA	1:29:A:ILE:HG22	3	0.11	0.02	0.1
(1,461)	1:29:A:ILE:HA	1:29:A:ILE:HG23	3	0.11	0.02	0.1
(1,294)	1:27:A:ARG:HD3	1:27:A:ARG:HA	2	0.99	0.08	0.99
(1,115)	1:35:A:GLY:H	1:34:A:ILE:H	2	0.72	0.05	0.72
(1,148)	1:18:A:LYS:H	1:17:A:GLN:HG3	2	0.7	0.11	0.7
(1,25)	1:21:A:PHE:HA	1:21:A:PHE:H	2	0.56	0.0	0.56
(1,558)	1:36:A:ARG:HD2	1:36:A:ARG:HB2	2	0.48	0.04	0.48
(1,59)	1:27:A:ARG:HD3	1:27:A:ARG:H	2	0.48	0.01	0.48
(1,185)	1:26:A:PHE:HD1	1:23:A:PRO:HA	2	0.44	0.3	0.44
(1,185)	1:26:A:PHE:HD2	1:23:A:PRO:HA	2	0.44	0.3	0.44
(1,296)	1:36:A:ARG:HD2	1:36:A:ARG:HB3	2	0.37	0.15	0.37

Continued on next page...

Continued from previous page...

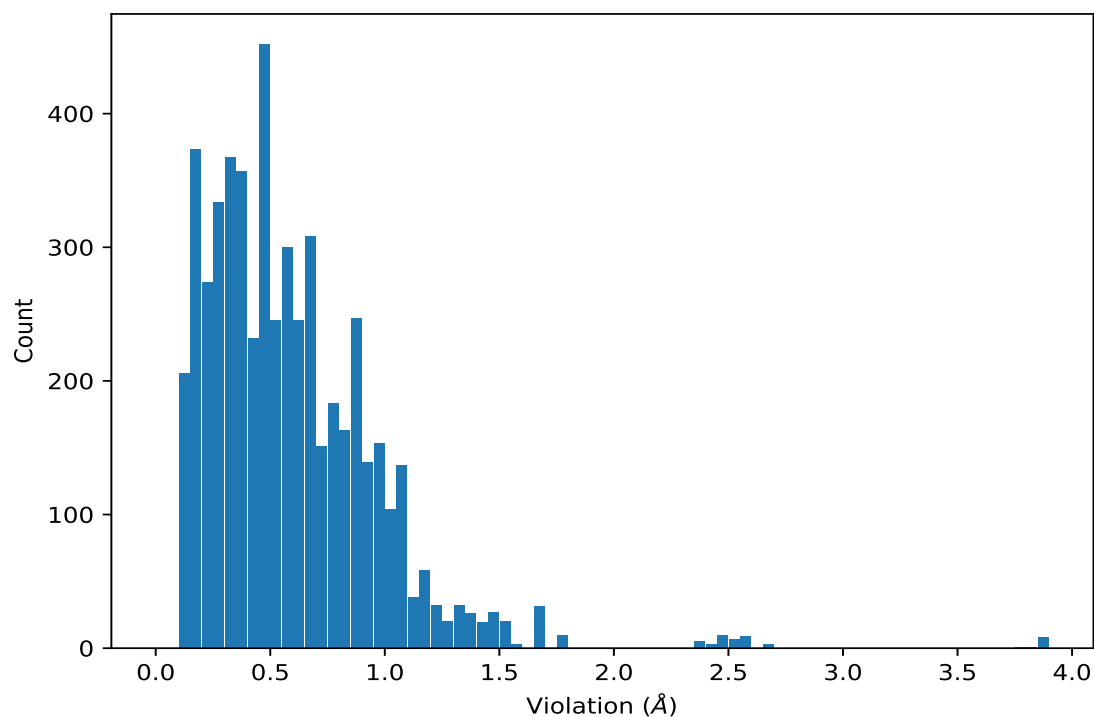
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,218)	1:26:A:PHE:HA	1:29:A:ILE:HD11	2	0.32	0.14	0.32
(1,218)	1:26:A:PHE:HA	1:29:A:ILE:HD12	2	0.32	0.14	0.32
(1,218)	1:26:A:PHE:HA	1:29:A:ILE:HD13	2	0.32	0.14	0.32
(1,561)	1:27:A:ARG:HA	1:27:A:ARG:HG2	2	0.17	0.02	0.17
(1,298)	1:36:A:ARG:HD2	1:36:A:ARG:HG2	2	0.15	0.0	0.15
(1,174)	1:36:A:ARG:HA	1:36:A:ARG:HG2	2	0.14	0.03	0.14
(1,55)	1:30:A:ARG:HB2	1:30:A:ARG:H	2	0.12	0.01	0.12

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:24:A:THR:HA	1:24:A:THR:HB	3	3.88
(1,249)	1:24:A:THR:HA	1:24:A:THR:HB	5	3.88
(1,249)	1:24:A:THR:HA	1:24:A:THR:HB	1	3.86
(1,249)	1:24:A:THR:HA	1:24:A:THR:HB	7	3.86
(1,249)	1:24:A:THR:HA	1:24:A:THR:HB	10	3.86
(1,249)	1:24:A:THR:HA	1:24:A:THR:HB	4	3.85
(1,249)	1:24:A:THR:HA	1:24:A:THR:HB	8	3.85
(1,249)	1:24:A:THR:HA	1:24:A:THR:HB	9	3.85
(1,249)	1:24:A:THR:HA	1:24:A:THR:HB	2	3.84
(1,249)	1:24:A:THR:HA	1:24:A:THR:HB	6	3.78
(1,166)	1:3:A:VAL:HG21	1:5:A:LEU:HA	5	2.65
(1,166)	1:3:A:VAL:HG22	1:5:A:LEU:HA	5	2.65
(1,166)	1:3:A:VAL:HG23	1:5:A:LEU:HA	5	2.65
(1,166)	1:3:A:VAL:HG21	1:5:A:LEU:HA	2	2.58
(1,166)	1:3:A:VAL:HG22	1:5:A:LEU:HA	2	2.58
(1,166)	1:3:A:VAL:HG23	1:5:A:LEU:HA	2	2.58
(1,166)	1:3:A:VAL:HG21	1:5:A:LEU:HA	1	2.56
(1,166)	1:3:A:VAL:HG22	1:5:A:LEU:HA	1	2.56
(1,166)	1:3:A:VAL:HG23	1:5:A:LEU:HA	1	2.56
(1,166)	1:3:A:VAL:HG21	1:5:A:LEU:HA	10	2.56
(1,166)	1:3:A:VAL:HG22	1:5:A:LEU:HA	10	2.56
(1,166)	1:3:A:VAL:HG23	1:5:A:LEU:HA	10	2.56
(1,219)	1:13:A:SER:HB2	1:13:A:SER:HA	9	2.52
(1,166)	1:3:A:VAL:HG21	1:5:A:LEU:HA	8	2.52
(1,166)	1:3:A:VAL:HG22	1:5:A:LEU:HA	8	2.52
(1,166)	1:3:A:VAL:HG23	1:5:A:LEU:HA	8	2.52
(1,166)	1:3:A:VAL:HG21	1:5:A:LEU:HA	6	2.5
(1,166)	1:3:A:VAL:HG22	1:5:A:LEU:HA	6	2.5
(1,166)	1:3:A:VAL:HG23	1:5:A:LEU:HA	6	2.5
(1,219)	1:13:A:SER:HB2	1:13:A:SER:HA	7	2.49
(1,219)	1:13:A:SER:HB2	1:13:A:SER:HA	8	2.48
(1,166)	1:3:A:VAL:HG21	1:5:A:LEU:HA	3	2.48
(1,166)	1:3:A:VAL:HG22	1:5:A:LEU:HA	3	2.48
(1,166)	1:3:A:VAL:HG23	1:5:A:LEU:HA	3	2.48
(1,219)	1:13:A:SER:HB2	1:13:A:SER:HA	4	2.46
(1,219)	1:13:A:SER:HB2	1:13:A:SER:HA	10	2.45
(1,166)	1:3:A:VAL:HG21	1:5:A:LEU:HA	7	2.45
(1,166)	1:3:A:VAL:HG22	1:5:A:LEU:HA	7	2.45
(1,166)	1:3:A:VAL:HG23	1:5:A:LEU:HA	7	2.45
(1,219)	1:13:A:SER:HB2	1:13:A:SER:HA	1	2.44
(1,219)	1:13:A:SER:HB2	1:13:A:SER:HA	3	2.42
(1,219)	1:13:A:SER:HB2	1:13:A:SER:HA	5	2.41
(1,166)	1:3:A:VAL:HG21	1:5:A:LEU:HA	9	2.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,166)	1:3:A:VAL:HG22	1:5:A:LEU:HA	9	2.38
(1,166)	1:3:A:VAL:HG23	1:5:A:LEU:HA	9	2.38
(1,219)	1:13:A:SER:HB2	1:13:A:SER:HA	2	2.37
(1,219)	1:13:A:SER:HB2	1:13:A:SER:HA	6	2.35
(1,339)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	4	1.76
(1,339)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	7	1.76
(1,339)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	8	1.76
(1,339)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	10	1.76
(1,339)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	1	1.75
(1,339)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	2	1.75
(1,339)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	3	1.75
(1,339)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	5	1.75
(1,339)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	6	1.75
(1,339)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	9	1.75
(1,446)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	2	1.69
(1,446)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	2	1.69
(1,446)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	2	1.69
(1,446)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	4	1.69
(1,446)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	4	1.69
(1,446)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	4	1.69
(1,446)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	6	1.69
(1,446)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	6	1.69
(1,446)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	6	1.69
(1,446)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	7	1.69
(1,446)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	7	1.69
(1,446)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	7	1.69
(1,446)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	1	1.68
(1,446)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	1	1.68
(1,446)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	1	1.68
(1,446)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	3	1.68
(1,446)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	3	1.68
(1,446)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	3	1.68
(1,446)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	5	1.68
(1,446)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	5	1.68
(1,446)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	5	1.68
(1,446)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	8	1.68
(1,446)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	8	1.68
(1,446)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	8	1.68
(1,446)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	9	1.68
(1,446)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	9	1.68
(1,446)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	9	1.68
(1,446)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	10	1.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	10	1.68
(1,446)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	10	1.68
(1,235)	1:27:A:ARG:HA	1:27:A:ARG:HD3	5	1.66
(1,202)	1:21:A:PHE:HA	1:25:A:LEU:HD21	6	1.57
(1,202)	1:21:A:PHE:HA	1:25:A:LEU:HD22	6	1.57
(1,202)	1:21:A:PHE:HA	1:25:A:LEU:HD23	6	1.57
(1,202)	1:21:A:PHE:HA	1:25:A:LEU:HD21	4	1.54
(1,202)	1:21:A:PHE:HA	1:25:A:LEU:HD22	4	1.54
(1,202)	1:21:A:PHE:HA	1:25:A:LEU:HD23	4	1.54
(1,295)	1:36:A:ARG:HD2	1:36:A:ARG:HA	4	1.53
(1,295)	1:36:A:ARG:HD2	1:36:A:ARG:HA	10	1.53
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD11	1	1.53
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD12	1	1.53
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD13	1	1.53
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD11	2	1.53
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD12	2	1.53
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD13	2	1.53
(1,217)	1:26:A:PHE:HA	1:29:A:ILE:HB	3	1.52
(1,235)	1:27:A:ARG:HA	1:27:A:ARG:HD3	10	1.51
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG21	9	1.51
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG22	9	1.51
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG23	9	1.51
(1,217)	1:26:A:PHE:HA	1:29:A:ILE:HB	1	1.5
(1,202)	1:21:A:PHE:HA	1:25:A:LEU:HD21	2	1.5
(1,202)	1:21:A:PHE:HA	1:25:A:LEU:HD22	2	1.5
(1,202)	1:21:A:PHE:HA	1:25:A:LEU:HD23	2	1.5
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD11	10	1.49
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD12	10	1.49
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD13	10	1.49
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD11	6	1.49
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD12	6	1.49
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD13	6	1.49
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD11	6	1.49
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD12	6	1.49
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD13	6	1.49
(1,166)	1:3:A:VAL:HG21	1:5:A:LEU:HA	4	1.48
(1,166)	1:3:A:VAL:HG22	1:5:A:LEU:HA	4	1.48
(1,166)	1:3:A:VAL:HG23	1:5:A:LEU:HA	4	1.48
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD11	4	1.48
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD12	4	1.48
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD13	4	1.48
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD11	4	1.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD12	4	1.48
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD13	4	1.48
(1,306)	1:20:A:PHE:HB3	1:16:A:ILE:HA	6	1.47
(1,217)	1:26:A:PHE:HA	1:29:A:ILE:HB	9	1.47
(1,306)	1:20:A:PHE:HB3	1:16:A:ILE:HA	8	1.46
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD11	2	1.46
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD12	2	1.46
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD13	2	1.46
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD11	2	1.46
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD12	2	1.46
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD13	2	1.46
(1,306)	1:20:A:PHE:HB3	1:16:A:ILE:HA	10	1.44
(1,151)	1:26:A:PHE:HD1	1:26:A:PHE:H	1	1.44
(1,151)	1:26:A:PHE:HD2	1:26:A:PHE:H	1	1.44
(1,333)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	1	1.43
(1,333)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	2	1.43
(1,333)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	3	1.43
(1,333)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	4	1.43
(1,333)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	6	1.43
(1,333)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	7	1.43
(1,333)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	8	1.43
(1,333)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	9	1.43
(1,333)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	10	1.43
(1,333)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	5	1.42
(1,306)	1:20:A:PHE:HB3	1:16:A:ILE:HA	1	1.42
(1,306)	1:20:A:PHE:HB3	1:16:A:ILE:HA	3	1.42
(1,217)	1:26:A:PHE:HA	1:29:A:ILE:HB	8	1.42
(1,151)	1:26:A:PHE:HD1	1:26:A:PHE:H	5	1.42
(1,151)	1:26:A:PHE:HD2	1:26:A:PHE:H	5	1.42
(1,295)	1:36:A:ARG:HD2	1:36:A:ARG:HA	9	1.4
(1,522)	1:37:A:ILE:HB	1:37:A:ILE:HG13	2	1.39
(1,217)	1:26:A:PHE:HA	1:29:A:ILE:HB	10	1.39
(1,295)	1:36:A:ARG:HD2	1:36:A:ARG:HA	6	1.38
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD11	2	1.38
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD12	2	1.38
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD13	2	1.38
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD11	2	1.38
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD12	2	1.38
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD13	2	1.38
(1,522)	1:37:A:ILE:HB	1:37:A:ILE:HG13	6	1.37
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG21	4	1.37
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG22	4	1.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG23	4	1.37
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG21	5	1.37
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG22	5	1.37
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG23	5	1.37
(1,522)	1:37:A:ILE:HB	1:37:A:ILE:HG13	1	1.36
(1,522)	1:37:A:ILE:HB	1:37:A:ILE:HG13	7	1.36
(1,295)	1:36:A:ARG:HD2	1:36:A:ARG:HA	1	1.35
(1,274)	1:16:A:ILE:HA	1:20:A:PHE:HB2	9	1.35
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG21	1	1.35
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG22	1	1.35
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG23	1	1.35
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG21	7	1.35
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG22	7	1.35
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG23	7	1.35
(1,522)	1:37:A:ILE:HB	1:37:A:ILE:HG13	5	1.34
(1,522)	1:37:A:ILE:HB	1:37:A:ILE:HG13	8	1.34
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG21	10	1.34
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG22	10	1.34
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG23	10	1.34
(1,522)	1:37:A:ILE:HB	1:37:A:ILE:HG13	4	1.33
(1,205)	1:36:A:ARG:HD2	1:36:A:ARG:HA	4	1.33
(1,205)	1:36:A:ARG:HD2	1:36:A:ARG:HA	10	1.33
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG21	6	1.33
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG22	6	1.33
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG23	6	1.33
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG21	8	1.33
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG22	8	1.33
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG23	8	1.33
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG21	3	1.32
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG22	3	1.32
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG23	3	1.32
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD11	9	1.32
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD12	9	1.32
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD13	9	1.32
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD11	9	1.32
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD12	9	1.32
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD13	9	1.32
(1,564)	1:28:A:VAL:HG21	1:25:A:LEU:HA	1	1.31
(1,564)	1:28:A:VAL:HG22	1:25:A:LEU:HA	1	1.31
(1,564)	1:28:A:VAL:HG23	1:25:A:LEU:HA	1	1.31
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD21	7	1.31
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD22	7	1.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD23	7	1.31
(1,217)	1:26:A:PHE:HA	1:29:A:ILE:HB	7	1.3
(1,151)	1:26:A:PHE:HD1	1:26:A:PHE:H	7	1.3
(1,151)	1:26:A:PHE:HD2	1:26:A:PHE:H	7	1.3
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG21	2	1.29
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG22	2	1.29
(1,169)	1:8:A:VAL:HA	1:11:A:VAL:HG23	2	1.29
(1,151)	1:26:A:PHE:HD1	1:26:A:PHE:H	9	1.29
(1,151)	1:26:A:PHE:HD2	1:26:A:PHE:H	9	1.29
(1,306)	1:20:A:PHE:HB3	1:16:A:ILE:HA	9	1.28
(1,325)	1:8:A:VAL:HB	1:5:A:LEU:HA	7	1.27
(1,325)	1:8:A:VAL:HB	1:5:A:LEU:HA	1	1.26
(1,521)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	1	1.25
(1,521)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	3	1.25
(1,521)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	4	1.25
(1,521)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	6	1.25
(1,521)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	8	1.25
(1,310)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	1	1.25
(1,310)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	3	1.25
(1,310)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	4	1.25
(1,310)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	6	1.25
(1,310)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	8	1.25
(1,151)	1:26:A:PHE:HD1	1:26:A:PHE:H	10	1.25
(1,151)	1:26:A:PHE:HD2	1:26:A:PHE:H	10	1.25
(1,521)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	2	1.24
(1,521)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	5	1.24
(1,521)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	7	1.24
(1,521)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	9	1.24
(1,521)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	10	1.24
(1,310)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	2	1.24
(1,310)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	5	1.24
(1,310)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	7	1.24
(1,310)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	9	1.24
(1,310)	1:19:A:TYR:HB2	1:19:A:TYR:HB3	10	1.24
(1,482)	1:18:A:LYS:HG3	1:18:A:LYS:HB2	7	1.23
(1,306)	1:20:A:PHE:HB3	1:16:A:ILE:HA	4	1.23
(1,190)	1:19:A:TYR:HD1	1:15:A:ILE:HA	7	1.23
(1,190)	1:19:A:TYR:HD2	1:15:A:ILE:HA	7	1.23
(1,84)	1:37:A:ILE:HD11	1:37:A:ILE:H	9	1.23
(1,84)	1:37:A:ILE:HD12	1:37:A:ILE:H	9	1.23
(1,84)	1:37:A:ILE:HD13	1:37:A:ILE:H	9	1.23
(1,84)	1:37:A:ILE:HD11	1:37:A:ILE:H	10	1.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:37:A:ILE:HD12	1:37:A:ILE:H	10	1.23
(1,84)	1:37:A:ILE:HD13	1:37:A:ILE:H	10	1.23
(1,482)	1:18:A:LYS:HG3	1:18:A:LYS:HB2	1	1.22
(1,361)	1:29:A:ILE:HB	1:26:A:PHE:HA	3	1.22
(1,325)	1:8:A:VAL:HB	1:5:A:LEU:HA	2	1.22
(1,325)	1:8:A:VAL:HB	1:5:A:LEU:HA	6	1.22
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD11	8	1.21
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD12	8	1.21
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD13	8	1.21
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD11	8	1.21
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD12	8	1.21
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD13	8	1.21
(1,361)	1:29:A:ILE:HB	1:26:A:PHE:HA	1	1.2
(1,205)	1:36:A:ARG:HD2	1:36:A:ARG:HA	9	1.2
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD11	3	1.19
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD12	3	1.19
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD13	3	1.19
(1,482)	1:18:A:LYS:HG3	1:18:A:LYS:HB2	6	1.18
(1,205)	1:36:A:ARG:HD2	1:36:A:ARG:HA	6	1.18
(1,189)	1:26:A:PHE:HD1	1:25:A:LEU:HD21	2	1.18
(1,189)	1:26:A:PHE:HD1	1:25:A:LEU:HD22	2	1.18
(1,189)	1:26:A:PHE:HD1	1:25:A:LEU:HD23	2	1.18
(1,189)	1:26:A:PHE:HD2	1:25:A:LEU:HD21	2	1.18
(1,189)	1:26:A:PHE:HD2	1:25:A:LEU:HD22	2	1.18
(1,189)	1:26:A:PHE:HD2	1:25:A:LEU:HD23	2	1.18
(1,189)	1:26:A:PHE:HD1	1:25:A:LEU:HD21	6	1.18
(1,189)	1:26:A:PHE:HD1	1:25:A:LEU:HD22	6	1.18
(1,189)	1:26:A:PHE:HD1	1:25:A:LEU:HD23	6	1.18
(1,189)	1:26:A:PHE:HD2	1:25:A:LEU:HD21	6	1.18
(1,189)	1:26:A:PHE:HD2	1:25:A:LEU:HD22	6	1.18
(1,189)	1:26:A:PHE:HD2	1:25:A:LEU:HD23	6	1.18
(1,482)	1:18:A:LYS:HG3	1:18:A:LYS:HB2	3	1.17
(1,482)	1:18:A:LYS:HG3	1:18:A:LYS:HB2	8	1.17
(1,361)	1:29:A:ILE:HB	1:26:A:PHE:HA	9	1.17
(1,325)	1:8:A:VAL:HB	1:5:A:LEU:HA	3	1.17
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD11	1	1.17
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD12	1	1.17
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD13	1	1.17
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD11	5	1.17
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD12	5	1.17
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD13	5	1.17
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD11	9	1.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD12	9	1.17
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD13	9	1.17
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD11	10	1.17
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD12	10	1.17
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD13	10	1.17
(1,217)	1:26:A:PHE:HA	1:29:A:ILE:HB	5	1.17
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD11	7	1.16
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD12	7	1.16
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD13	7	1.16
(1,189)	1:26:A:PHE:HD1	1:25:A:LEU:HD21	4	1.16
(1,189)	1:26:A:PHE:HD1	1:25:A:LEU:HD22	4	1.16
(1,189)	1:26:A:PHE:HD1	1:25:A:LEU:HD23	4	1.16
(1,189)	1:26:A:PHE:HD2	1:25:A:LEU:HD21	4	1.16
(1,189)	1:26:A:PHE:HD2	1:25:A:LEU:HD22	4	1.16
(1,189)	1:26:A:PHE:HD2	1:25:A:LEU:HD23	4	1.16
(1,482)	1:18:A:LYS:HG3	1:18:A:LYS:HB2	9	1.15
(1,404)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	1	1.15
(1,404)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	2	1.15
(1,404)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	5	1.15
(1,404)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	6	1.15
(1,404)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	8	1.15
(1,404)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	9	1.15
(1,330)	1:17:A:GLN:HB3	1:14:A:ASP:HA	6	1.15
(1,205)	1:36:A:ARG:HD2	1:36:A:ARG:HA	1	1.15
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD11	4	1.15
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD12	4	1.15
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD13	4	1.15
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD11	4	1.15
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD12	4	1.15
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD13	4	1.15
(1,404)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	3	1.14
(1,404)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	4	1.14
(1,404)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	7	1.14
(1,404)	1:18:A:LYS:HB2	1:18:A:LYS:HB3	10	1.14
(1,325)	1:8:A:VAL:HB	1:5:A:LEU:HA	5	1.14
(1,325)	1:8:A:VAL:HB	1:5:A:LEU:HA	10	1.14
(1,217)	1:26:A:PHE:HA	1:29:A:ILE:HB	4	1.14
(1,482)	1:18:A:LYS:HG3	1:18:A:LYS:HB2	4	1.13
(1,330)	1:17:A:GLN:HB3	1:14:A:ASP:HA	3	1.13
(1,325)	1:8:A:VAL:HB	1:5:A:LEU:HA	8	1.13
(1,274)	1:16:A:ILE:HA	1:20:A:PHE:HB2	6	1.13
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD11	2	1.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD12	2	1.13
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD13	2	1.13
(1,482)	1:18:A:LYS:HG3	1:18:A:LYS:HB2	2	1.12
(1,361)	1:29:A:ILE:HB	1:26:A:PHE:HA	8	1.12
(1,179)	1:19:A:TYR:HB2	1:18:A:LYS:HD2	8	1.12
(1,78)	1:5:A:LEU:HG	1:5:A:LEU:H	3	1.12
(1,334)	1:15:A:ILE:HB	1:15:A:ILE:HG13	4	1.11
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD11	6	1.11
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD12	6	1.11
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD13	6	1.11
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD11	8	1.11
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD12	8	1.11
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD13	8	1.11
(1,482)	1:18:A:LYS:HG3	1:18:A:LYS:HB2	10	1.1
(1,334)	1:15:A:ILE:HB	1:15:A:ILE:HG13	7	1.1
(1,306)	1:20:A:PHE:HB3	1:16:A:ILE:HA	2	1.1
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD11	4	1.1
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD12	4	1.1
(1,271)	1:15:A:ILE:HA	1:15:A:ILE:HD13	4	1.1
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD11	1	1.1
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD12	1	1.1
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD13	1	1.1
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD11	1	1.1
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD12	1	1.1
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD13	1	1.1
(1,78)	1:5:A:LEU:HG	1:5:A:LEU:H	5	1.1
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	7	1.09
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	7	1.09
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	7	1.09
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	7	1.09
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	7	1.09
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	7	1.09
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	7	1.09
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	7	1.09
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	7	1.09
(1,361)	1:29:A:ILE:HB	1:26:A:PHE:HA	10	1.09
(1,334)	1:15:A:ILE:HB	1:15:A:ILE:HG13	5	1.09
(1,334)	1:15:A:ILE:HB	1:15:A:ILE:HG13	8	1.09
(1,325)	1:8:A:VAL:HB	1:5:A:LEU:HA	4	1.09
(1,191)	1:19:A:TYR:HD1	1:19:A:TYR:HB2	9	1.09
(1,191)	1:19:A:TYR:HD2	1:19:A:TYR:HB2	9	1.09
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	4	1.08

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	4	1.08
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	4	1.08
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	4	1.08
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	4	1.08
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	4	1.08
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	4	1.08
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	4	1.08
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	4	1.08
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	8	1.08
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	8	1.08
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	8	1.08
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	8	1.08
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	8	1.08
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	8	1.08
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	8	1.08
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	8	1.08
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	8	1.08
(1,416)	1:37:A:ILE:HG12	1:37:A:ILE:HA	2	1.08
(1,334)	1:15:A:ILE:HB	1:15:A:ILE:HG13	2	1.08
(1,334)	1:15:A:ILE:HB	1:15:A:ILE:HG13	3	1.08
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	2	1.07
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	2	1.07
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	2	1.07
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	2	1.07
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	2	1.07
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	2	1.07
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	2	1.07
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	2	1.07
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	2	1.07
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	9	1.07
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	9	1.07
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	9	1.07
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	9	1.07
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	9	1.07
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	9	1.07
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	9	1.07
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	9	1.07
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	9	1.07
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	10	1.07
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	10	1.07
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	10	1.07
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	10	1.07

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	10	1.07
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	10	1.07
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	10	1.07
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	10	1.07
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	10	1.07
(1,415)	1:32:A:ALA:HB1	1:29:A:ILE:HA	4	1.07
(1,415)	1:32:A:ALA:HB2	1:29:A:ILE:HA	4	1.07
(1,415)	1:32:A:ALA:HB3	1:29:A:ILE:HA	4	1.07
(1,334)	1:15:A:ILE:HB	1:15:A:ILE:HG13	1	1.07
(1,334)	1:15:A:ILE:HB	1:15:A:ILE:HG13	6	1.07
(1,334)	1:15:A:ILE:HB	1:15:A:ILE:HG13	10	1.07
(1,314)	1:17:A:GLN:HA	1:17:A:GLN:HG3	5	1.07
(1,274)	1:16:A:ILE:HA	1:20:A:PHE:HB2	1	1.07
(1,230)	1:34:A:ILE:HD11	1:34:A:ILE:HA	3	1.07
(1,230)	1:34:A:ILE:HD12	1:34:A:ILE:HA	3	1.07
(1,230)	1:34:A:ILE:HD13	1:34:A:ILE:HA	3	1.07
(1,230)	1:34:A:ILE:HD11	1:34:A:ILE:HA	4	1.07
(1,230)	1:34:A:ILE:HD12	1:34:A:ILE:HA	4	1.07
(1,230)	1:34:A:ILE:HD13	1:34:A:ILE:HA	4	1.07
(1,217)	1:26:A:PHE:HA	1:29:A:ILE:HB	6	1.07
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	1	1.06
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	1	1.06
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	1	1.06
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	1	1.06
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	1	1.06
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	1	1.06
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	1	1.06
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	1	1.06
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	1	1.06
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	5	1.06
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	5	1.06
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	5	1.06
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	5	1.06
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	5	1.06
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	5	1.06
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	5	1.06
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	5	1.06
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	5	1.06
(1,415)	1:32:A:ALA:HB1	1:29:A:ILE:HA	7	1.06
(1,415)	1:32:A:ALA:HB2	1:29:A:ILE:HA	7	1.06
(1,415)	1:32:A:ALA:HB3	1:29:A:ILE:HA	7	1.06
(1,334)	1:15:A:ILE:HB	1:15:A:ILE:HG13	9	1.06

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:27:A:ARG:HD3	1:27:A:ARG:HA	5	1.06
(1,230)	1:34:A:ILE:HD11	1:34:A:ILE:HA	9	1.06
(1,230)	1:34:A:ILE:HD12	1:34:A:ILE:HA	9	1.06
(1,230)	1:34:A:ILE:HD13	1:34:A:ILE:HA	9	1.06
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	3	1.05
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	3	1.05
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	3	1.05
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	3	1.05
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	3	1.05
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	3	1.05
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	3	1.05
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	3	1.05
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	3	1.05
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	6	1.05
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	6	1.05
(1,455)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	6	1.05
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	6	1.05
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	6	1.05
(1,455)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	6	1.05
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	6	1.05
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	6	1.05
(1,455)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	6	1.05
(1,415)	1:32:A:ALA:HB1	1:29:A:ILE:HA	1	1.05
(1,415)	1:32:A:ALA:HB2	1:29:A:ILE:HA	1	1.05
(1,415)	1:32:A:ALA:HB3	1:29:A:ILE:HA	1	1.05
(1,415)	1:32:A:ALA:HB1	1:29:A:ILE:HA	9	1.05
(1,415)	1:32:A:ALA:HB2	1:29:A:ILE:HA	9	1.05
(1,415)	1:32:A:ALA:HB3	1:29:A:ILE:HA	9	1.05
(1,191)	1:19:A:TYR:HD1	1:19:A:TYR:HB2	3	1.05
(1,191)	1:19:A:TYR:HD2	1:19:A:TYR:HB2	3	1.05
(1,84)	1:37:A:ILE:HD11	1:37:A:ILE:H	3	1.05
(1,84)	1:37:A:ILE:HD12	1:37:A:ILE:H	3	1.05
(1,84)	1:37:A:ILE:HD13	1:37:A:ILE:H	3	1.05
(1,79)	1:5:A:LEU:HD21	1:5:A:LEU:H	10	1.05
(1,79)	1:5:A:LEU:HD22	1:5:A:LEU:H	10	1.05
(1,79)	1:5:A:LEU:HD23	1:5:A:LEU:H	10	1.05
(1,78)	1:5:A:LEU:HG	1:5:A:LEU:H	6	1.05
(1,500)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	1	1.04
(1,500)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	2	1.04
(1,500)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	3	1.04
(1,500)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	4	1.04
(1,500)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	5	1.04

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	6	1.04
(1,500)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	7	1.04
(1,500)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	8	1.04
(1,500)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	9	1.04
(1,500)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	10	1.04
(1,416)	1:37:A:ILE:HG12	1:37:A:ILE:HA	6	1.04
(1,415)	1:32:A:ALA:HB1	1:29:A:ILE:HA	2	1.04
(1,415)	1:32:A:ALA:HB2	1:29:A:ILE:HA	2	1.04
(1,415)	1:32:A:ALA:HB3	1:29:A:ILE:HA	2	1.04
(1,388)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	1	1.04
(1,388)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	2	1.04
(1,388)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	3	1.04
(1,388)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	4	1.04
(1,388)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	5	1.04
(1,388)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	6	1.04
(1,388)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	7	1.04
(1,388)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	8	1.04
(1,388)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	9	1.04
(1,388)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	10	1.04
(1,314)	1:17:A:GLN:HA	1:17:A:GLN:HG3	2	1.04
(1,281)	1:9:A:GLY:HA3	1:9:A:GLY:HA2	1	1.04
(1,281)	1:9:A:GLY:HA3	1:9:A:GLY:HA2	2	1.04
(1,281)	1:9:A:GLY:HA3	1:9:A:GLY:HA2	3	1.04
(1,281)	1:9:A:GLY:HA3	1:9:A:GLY:HA2	4	1.04
(1,281)	1:9:A:GLY:HA3	1:9:A:GLY:HA2	5	1.04
(1,281)	1:9:A:GLY:HA3	1:9:A:GLY:HA2	6	1.04
(1,281)	1:9:A:GLY:HA3	1:9:A:GLY:HA2	7	1.04
(1,281)	1:9:A:GLY:HA3	1:9:A:GLY:HA2	8	1.04
(1,281)	1:9:A:GLY:HA3	1:9:A:GLY:HA2	9	1.04
(1,281)	1:9:A:GLY:HA3	1:9:A:GLY:HA2	10	1.04
(1,230)	1:34:A:ILE:HD11	1:34:A:ILE:HA	7	1.04
(1,230)	1:34:A:ILE:HD12	1:34:A:ILE:HA	7	1.04
(1,230)	1:34:A:ILE:HD13	1:34:A:ILE:HA	7	1.04
(1,230)	1:34:A:ILE:HD11	1:34:A:ILE:HA	8	1.04
(1,230)	1:34:A:ILE:HD12	1:34:A:ILE:HA	8	1.04
(1,230)	1:34:A:ILE:HD13	1:34:A:ILE:HA	8	1.04
(1,230)	1:34:A:ILE:HD11	1:34:A:ILE:HA	10	1.04
(1,230)	1:34:A:ILE:HD12	1:34:A:ILE:HA	10	1.04
(1,230)	1:34:A:ILE:HD13	1:34:A:ILE:HA	10	1.04
(1,191)	1:19:A:TYR:HD1	1:19:A:TYR:HB2	2	1.04
(1,191)	1:19:A:TYR:HD2	1:19:A:TYR:HB2	2	1.04
(1,191)	1:19:A:TYR:HD1	1:19:A:TYR:HB2	6	1.04

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:19:A:TYR:HD2	1:19:A:TYR:HB2	6	1.04
(1,191)	1:19:A:TYR:HD1	1:19:A:TYR:HB2	7	1.04
(1,191)	1:19:A:TYR:HD2	1:19:A:TYR:HB2	7	1.04
(1,437)	1:18:A:LYS:HD2	1:18:A:LYS:HB3	6	1.03
(1,416)	1:37:A:ILE:HG12	1:37:A:ILE:HA	7	1.03
(1,340)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	1	1.03
(1,340)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	2	1.03
(1,340)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	3	1.03
(1,340)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	4	1.03
(1,340)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	6	1.03
(1,340)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	7	1.03
(1,340)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	8	1.03
(1,340)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	9	1.03
(1,340)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	10	1.03
(1,288)	1:29:A:ILE:HA	1:29:A:ILE:HG12	8	1.03
(1,230)	1:34:A:ILE:HD11	1:34:A:ILE:HA	5	1.03
(1,230)	1:34:A:ILE:HD12	1:34:A:ILE:HA	5	1.03
(1,230)	1:34:A:ILE:HD13	1:34:A:ILE:HA	5	1.03
(1,193)	1:19:A:TYR:HD1	1:19:A:TYR:HB3	1	1.03
(1,193)	1:19:A:TYR:HD2	1:19:A:TYR:HB3	1	1.03
(1,179)	1:19:A:TYR:HB2	1:18:A:LYS:HD2	1	1.03
(1,78)	1:5:A:LEU:HG	1:5:A:LEU:H	7	1.03
(1,415)	1:32:A:ALA:HB1	1:29:A:ILE:HA	3	1.02
(1,415)	1:32:A:ALA:HB2	1:29:A:ILE:HA	3	1.02
(1,415)	1:32:A:ALA:HB3	1:29:A:ILE:HA	3	1.02
(1,415)	1:32:A:ALA:HB1	1:29:A:ILE:HA	6	1.02
(1,415)	1:32:A:ALA:HB2	1:29:A:ILE:HA	6	1.02
(1,415)	1:32:A:ALA:HB3	1:29:A:ILE:HA	6	1.02
(1,340)	1:23:A:PRO:HG3	1:23:A:PRO:HG2	5	1.02
(1,230)	1:34:A:ILE:HD11	1:34:A:ILE:HA	2	1.02
(1,230)	1:34:A:ILE:HD12	1:34:A:ILE:HA	2	1.02
(1,230)	1:34:A:ILE:HD13	1:34:A:ILE:HA	2	1.02
(1,198)	1:19:A:TYR:HA	1:19:A:TYR:HB2	8	1.02
(1,191)	1:19:A:TYR:HD1	1:19:A:TYR:HB2	4	1.02
(1,191)	1:19:A:TYR:HD2	1:19:A:TYR:HB2	4	1.02
(1,525)	1:37:A:ILE:HD11	1:37:A:ILE:HA	1	1.01
(1,525)	1:37:A:ILE:HD12	1:37:A:ILE:HA	1	1.01
(1,525)	1:37:A:ILE:HD13	1:37:A:ILE:HA	1	1.01
(1,437)	1:18:A:LYS:HD2	1:18:A:LYS:HB3	8	1.01
(1,288)	1:29:A:ILE:HA	1:29:A:ILE:HG12	6	1.01
(1,198)	1:19:A:TYR:HA	1:19:A:TYR:HB2	1	1.01
(1,198)	1:19:A:TYR:HA	1:19:A:TYR:HB2	10	1.01

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD11	8	1.01
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD12	8	1.01
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD13	8	1.01
(1,525)	1:37:A:ILE:HD11	1:37:A:ILE:HA	5	1.0
(1,525)	1:37:A:ILE:HD12	1:37:A:ILE:HA	5	1.0
(1,525)	1:37:A:ILE:HD13	1:37:A:ILE:HA	5	1.0
(1,520)	1:19:A:TYR:HA	1:19:A:TYR:HB3	9	1.0
(1,437)	1:18:A:LYS:HD2	1:18:A:LYS:HB3	2	1.0
(1,415)	1:32:A:ALA:HB1	1:29:A:ILE:HA	10	1.0
(1,415)	1:32:A:ALA:HB2	1:29:A:ILE:HA	10	1.0
(1,415)	1:32:A:ALA:HB3	1:29:A:ILE:HA	10	1.0
(1,361)	1:29:A:ILE:HB	1:26:A:PHE:HA	7	1.0
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD11	6	1.0
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD12	6	1.0
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD13	6	1.0
(1,525)	1:37:A:ILE:HD11	1:37:A:ILE:HA	8	0.99
(1,525)	1:37:A:ILE:HD12	1:37:A:ILE:HA	8	0.99
(1,525)	1:37:A:ILE:HD13	1:37:A:ILE:HA	8	0.99
(1,437)	1:18:A:LYS:HD2	1:18:A:LYS:HB3	7	0.99
(1,353)	1:34:A:ILE:HG12	1:34:A:ILE:HB	4	0.99
(1,353)	1:34:A:ILE:HG12	1:34:A:ILE:HB	8	0.99
(1,353)	1:34:A:ILE:HG12	1:34:A:ILE:HB	9	0.99
(1,288)	1:29:A:ILE:HA	1:29:A:ILE:HG12	1	0.99
(1,274)	1:16:A:ILE:HA	1:20:A:PHE:HB2	7	0.99
(1,230)	1:34:A:ILE:HD11	1:34:A:ILE:HA	1	0.99
(1,230)	1:34:A:ILE:HD12	1:34:A:ILE:HA	1	0.99
(1,230)	1:34:A:ILE:HD13	1:34:A:ILE:HA	1	0.99
(1,193)	1:19:A:TYR:HD1	1:19:A:TYR:HB3	5	0.99
(1,193)	1:19:A:TYR:HD2	1:19:A:TYR:HB3	5	0.99
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD11	4	0.99
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD12	4	0.99
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD13	4	0.99
(1,68)	1:15:A:ILE:HG12	1:15:A:ILE:H	6	0.99
(1,415)	1:32:A:ALA:HB1	1:29:A:ILE:HA	8	0.98
(1,415)	1:32:A:ALA:HB2	1:29:A:ILE:HA	8	0.98
(1,415)	1:32:A:ALA:HB3	1:29:A:ILE:HA	8	0.98
(1,353)	1:34:A:ILE:HG12	1:34:A:ILE:HB	1	0.98
(1,278)	1:16:A:ILE:HA	1:25:A:LEU:HD21	2	0.98
(1,278)	1:16:A:ILE:HA	1:25:A:LEU:HD22	2	0.98
(1,278)	1:16:A:ILE:HA	1:25:A:LEU:HD23	2	0.98
(1,193)	1:19:A:TYR:HD1	1:19:A:TYR:HB3	8	0.98
(1,193)	1:19:A:TYR:HD2	1:19:A:TYR:HB3	8	0.98

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD11	5	0.98
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD12	5	0.98
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD13	5	0.98
(1,43)	1:12:A:LEU:HD21	1:12:A:LEU:H	8	0.98
(1,43)	1:12:A:LEU:HD22	1:12:A:LEU:H	8	0.98
(1,43)	1:12:A:LEU:HD23	1:12:A:LEU:H	8	0.98
(1,562)	1:27:A:ARG:HD3	1:27:A:ARG:HB2	2	0.97
(1,520)	1:19:A:TYR:HA	1:19:A:TYR:HB3	4	0.97
(1,520)	1:19:A:TYR:HA	1:19:A:TYR:HB3	6	0.97
(1,401)	1:29:A:ILE:HG13	1:29:A:ILE:HB	8	0.97
(1,350)	1:27:A:ARG:HB2	1:27:A:ARG:HD3	2	0.97
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB1	4	0.97
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB2	4	0.97
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB3	4	0.97
(1,288)	1:29:A:ILE:HA	1:29:A:ILE:HG12	9	0.97
(1,252)	1:17:A:GLN:HA	1:17:A:GLN:HG3	5	0.97
(1,193)	1:19:A:TYR:HD1	1:19:A:TYR:HB3	10	0.97
(1,193)	1:19:A:TYR:HD2	1:19:A:TYR:HB3	10	0.97
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD11	2	0.97
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD12	2	0.97
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD13	2	0.97
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD11	10	0.97
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD12	10	0.97
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD13	10	0.97
(1,126)	1:30:A:ARG:HA	1:29:A:ILE:H	3	0.97
(1,126)	1:30:A:ARG:HA	1:29:A:ILE:H	9	0.97
(1,68)	1:15:A:ILE:HG12	1:15:A:ILE:H	8	0.97
(1,68)	1:15:A:ILE:HG12	1:15:A:ILE:H	10	0.97
(1,43)	1:12:A:LEU:HD21	1:12:A:LEU:H	3	0.97
(1,43)	1:12:A:LEU:HD22	1:12:A:LEU:H	3	0.97
(1,43)	1:12:A:LEU:HD23	1:12:A:LEU:H	3	0.97
(1,43)	1:12:A:LEU:HD21	1:12:A:LEU:H	6	0.97
(1,43)	1:12:A:LEU:HD22	1:12:A:LEU:H	6	0.97
(1,43)	1:12:A:LEU:HD23	1:12:A:LEU:H	6	0.97
(1,520)	1:19:A:TYR:HA	1:19:A:TYR:HB3	3	0.96
(1,401)	1:29:A:ILE:HG13	1:29:A:ILE:HB	1	0.96
(1,401)	1:29:A:ILE:HG13	1:29:A:ILE:HB	6	0.96
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB1	7	0.96
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB2	7	0.96
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB3	7	0.96
(1,288)	1:29:A:ILE:HA	1:29:A:ILE:HG12	4	0.96
(1,288)	1:29:A:ILE:HA	1:29:A:ILE:HG12	7	0.96

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,278)	1:16:A:ILE:HA	1:25:A:LEU:HD21	4	0.96
(1,278)	1:16:A:ILE:HA	1:25:A:LEU:HD22	4	0.96
(1,278)	1:16:A:ILE:HA	1:25:A:LEU:HD23	4	0.96
(1,195)	1:20:A:PHE:HD1	1:20:A:PHE:HB2	7	0.96
(1,195)	1:20:A:PHE:HD2	1:20:A:PHE:HB2	7	0.96
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD11	1	0.96
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD12	1	0.96
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD13	1	0.96
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD11	3	0.96
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD12	3	0.96
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD13	3	0.96
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD11	9	0.96
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD12	9	0.96
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD13	9	0.96
(1,151)	1:26:A:PHE:HD1	1:26:A:PHE:H	3	0.96
(1,151)	1:26:A:PHE:HD2	1:26:A:PHE:H	3	0.96
(1,126)	1:30:A:ARG:HA	1:29:A:ILE:H	5	0.96
(1,126)	1:30:A:ARG:HA	1:29:A:ILE:H	6	0.96
(1,126)	1:30:A:ARG:HA	1:29:A:ILE:H	8	0.96
(1,126)	1:30:A:ARG:HA	1:29:A:ILE:H	10	0.96
(1,68)	1:15:A:ILE:HG12	1:15:A:ILE:H	1	0.96
(1,68)	1:15:A:ILE:HG12	1:15:A:ILE:H	2	0.96
(1,68)	1:15:A:ILE:HG12	1:15:A:ILE:H	5	0.96
(1,43)	1:12:A:LEU:HD21	1:12:A:LEU:H	1	0.96
(1,43)	1:12:A:LEU:HD22	1:12:A:LEU:H	1	0.96
(1,43)	1:12:A:LEU:HD23	1:12:A:LEU:H	1	0.96
(1,43)	1:12:A:LEU:HD21	1:12:A:LEU:H	10	0.96
(1,43)	1:12:A:LEU:HD22	1:12:A:LEU:H	10	0.96
(1,43)	1:12:A:LEU:HD23	1:12:A:LEU:H	10	0.96
(1,562)	1:27:A:ARG:HD3	1:27:A:ARG:HB2	9	0.95
(1,423)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	1	0.95
(1,423)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	2	0.95
(1,423)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	3	0.95
(1,423)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	4	0.95
(1,423)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	5	0.95
(1,423)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	6	0.95
(1,423)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	7	0.95
(1,423)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	8	0.95
(1,423)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	9	0.95
(1,423)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	10	0.95
(1,422)	1:18:A:LYS:HB3	1:18:A:LYS:HB2	1	0.95
(1,422)	1:18:A:LYS:HB3	1:18:A:LYS:HB2	2	0.95

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:18:A:LYS:HB3	1:18:A:LYS:HB2	5	0.95
(1,422)	1:18:A:LYS:HB3	1:18:A:LYS:HB2	6	0.95
(1,422)	1:18:A:LYS:HB3	1:18:A:LYS:HB2	8	0.95
(1,422)	1:18:A:LYS:HB3	1:18:A:LYS:HB2	9	0.95
(1,418)	1:37:A:ILE:HB	1:37:A:ILE:HG12	8	0.95
(1,415)	1:32:A:ALA:HB1	1:29:A:ILE:HA	5	0.95
(1,415)	1:32:A:ALA:HB2	1:29:A:ILE:HA	5	0.95
(1,415)	1:32:A:ALA:HB3	1:29:A:ILE:HA	5	0.95
(1,401)	1:29:A:ILE:HG13	1:29:A:ILE:HB	4	0.95
(1,401)	1:29:A:ILE:HG13	1:29:A:ILE:HB	7	0.95
(1,401)	1:29:A:ILE:HG13	1:29:A:ILE:HB	9	0.95
(1,371)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	1	0.95
(1,371)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	2	0.95
(1,371)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	3	0.95
(1,371)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	4	0.95
(1,371)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	5	0.95
(1,371)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	6	0.95
(1,371)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	7	0.95
(1,371)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	8	0.95
(1,371)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	9	0.95
(1,371)	1:15:A:ILE:HG12	1:15:A:ILE:HG13	10	0.95
(1,353)	1:34:A:ILE:HG12	1:34:A:ILE:HB	2	0.95
(1,350)	1:27:A:ARG:HB2	1:27:A:ARG:HD3	9	0.95
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB1	1	0.95
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB2	1	0.95
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB3	1	0.95
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB1	9	0.95
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB2	9	0.95
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB3	9	0.95
(1,217)	1:26:A:PHE:HA	1:29:A:ILE:HB	2	0.95
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD11	7	0.95
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD12	7	0.95
(1,178)	1:16:A:ILE:HB	1:16:A:ILE:HD13	7	0.95
(1,170)	1:14:A:ASP:HA	1:17:A:GLN:HB3	6	0.95
(1,126)	1:30:A:ARG:HA	1:29:A:ILE:H	1	0.95
(1,68)	1:15:A:ILE:HG12	1:15:A:ILE:H	9	0.95
(1,43)	1:12:A:LEU:HD21	1:12:A:LEU:H	5	0.95
(1,43)	1:12:A:LEU:HD22	1:12:A:LEU:H	5	0.95
(1,43)	1:12:A:LEU:HD23	1:12:A:LEU:H	5	0.95
(1,43)	1:12:A:LEU:HD21	1:12:A:LEU:H	9	0.95
(1,43)	1:12:A:LEU:HD22	1:12:A:LEU:H	9	0.95
(1,43)	1:12:A:LEU:HD23	1:12:A:LEU:H	9	0.95

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:37:A:ILE:HG12	1:37:A:ILE:HG13	1	0.94
(1,523)	1:37:A:ILE:HG12	1:37:A:ILE:HG13	2	0.94
(1,523)	1:37:A:ILE:HG12	1:37:A:ILE:HG13	3	0.94
(1,523)	1:37:A:ILE:HG12	1:37:A:ILE:HG13	4	0.94
(1,523)	1:37:A:ILE:HG12	1:37:A:ILE:HG13	5	0.94
(1,523)	1:37:A:ILE:HG12	1:37:A:ILE:HG13	6	0.94
(1,523)	1:37:A:ILE:HG12	1:37:A:ILE:HG13	7	0.94
(1,523)	1:37:A:ILE:HG12	1:37:A:ILE:HG13	8	0.94
(1,523)	1:37:A:ILE:HG12	1:37:A:ILE:HG13	9	0.94
(1,523)	1:37:A:ILE:HG12	1:37:A:ILE:HG13	10	0.94
(1,440)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	1	0.94
(1,440)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	2	0.94
(1,440)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	3	0.94
(1,440)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	4	0.94
(1,440)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	5	0.94
(1,440)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	6	0.94
(1,440)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	7	0.94
(1,440)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	8	0.94
(1,440)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	9	0.94
(1,440)	1:16:A:ILE:HG12	1:16:A:ILE:HG13	10	0.94
(1,432)	1:7:A:ILE:HG13	1:7:A:ILE:HB	9	0.94
(1,422)	1:18:A:LYS:HB3	1:18:A:LYS:HB2	3	0.94
(1,422)	1:18:A:LYS:HB3	1:18:A:LYS:HB2	4	0.94
(1,422)	1:18:A:LYS:HB3	1:18:A:LYS:HB2	7	0.94
(1,422)	1:18:A:LYS:HB3	1:18:A:LYS:HB2	10	0.94
(1,418)	1:37:A:ILE:HB	1:37:A:ILE:HG12	5	0.94
(1,416)	1:37:A:ILE:HG12	1:37:A:ILE:HA	4	0.94
(1,353)	1:34:A:ILE:HG12	1:34:A:ILE:HB	3	0.94
(1,353)	1:34:A:ILE:HG12	1:34:A:ILE:HB	5	0.94
(1,330)	1:17:A:GLN:HB3	1:14:A:ASP:HA	9	0.94
(1,324)	1:11:A:VAL:HB	1:11:A:VAL:HA	3	0.94
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB1	2	0.94
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB2	2	0.94
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB3	2	0.94
(1,252)	1:17:A:GLN:HA	1:17:A:GLN:HG3	2	0.94
(1,126)	1:30:A:ARG:HA	1:29:A:ILE:H	7	0.94
(1,74)	1:16:A:ILE:HG13	1:16:A:ILE:H	5	0.94
(1,68)	1:15:A:ILE:HG12	1:15:A:ILE:H	3	0.94
(1,43)	1:12:A:LEU:HD21	1:12:A:LEU:H	2	0.94
(1,43)	1:12:A:LEU:HD22	1:12:A:LEU:H	2	0.94
(1,43)	1:12:A:LEU:HD23	1:12:A:LEU:H	2	0.94
(1,43)	1:12:A:LEU:HD21	1:12:A:LEU:H	4	0.94

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:12:A:LEU:HD22	1:12:A:LEU:H	4	0.94
(1,43)	1:12:A:LEU:HD23	1:12:A:LEU:H	4	0.94
(1,520)	1:19:A:TYR:HA	1:19:A:TYR:HB3	2	0.93
(1,443)	1:37:A:ILE:HG13	1:37:A:ILE:HA	3	0.93
(1,443)	1:37:A:ILE:HG13	1:37:A:ILE:HA	9	0.93
(1,438)	1:29:A:ILE:HG12	1:29:A:ILE:HA	8	0.93
(1,432)	1:7:A:ILE:HG13	1:7:A:ILE:HB	4	0.93
(1,432)	1:7:A:ILE:HG13	1:7:A:ILE:HB	8	0.93
(1,421)	1:15:A:ILE:HG12	1:15:A:ILE:HB	2	0.93
(1,421)	1:15:A:ILE:HG12	1:15:A:ILE:HB	6	0.93
(1,421)	1:15:A:ILE:HG12	1:15:A:ILE:HB	9	0.93
(1,418)	1:37:A:ILE:HB	1:37:A:ILE:HG12	1	0.93
(1,405)	1:31:A:LEU:HB2	1:28:A:VAL:HA	5	0.93
(1,398)	1:29:A:ILE:HG13	1:26:A:PHE:HA	4	0.93
(1,353)	1:34:A:ILE:HG12	1:34:A:ILE:HB	7	0.93
(1,324)	1:11:A:VAL:HB	1:11:A:VAL:HA	1	0.93
(1,324)	1:11:A:VAL:HB	1:11:A:VAL:HA	2	0.93
(1,324)	1:11:A:VAL:HB	1:11:A:VAL:HA	4	0.93
(1,324)	1:11:A:VAL:HB	1:11:A:VAL:HA	5	0.93
(1,324)	1:11:A:VAL:HB	1:11:A:VAL:HA	7	0.93
(1,170)	1:14:A:ASP:HA	1:17:A:GLN:HB3	3	0.93
(1,126)	1:30:A:ARG:HA	1:29:A:ILE:H	2	0.93
(1,126)	1:30:A:ARG:HA	1:29:A:ILE:H	4	0.93
(1,78)	1:5:A:LEU:HG	1:5:A:LEU:H	8	0.93
(1,43)	1:12:A:LEU:HD21	1:12:A:LEU:H	7	0.93
(1,43)	1:12:A:LEU:HD22	1:12:A:LEU:H	7	0.93
(1,43)	1:12:A:LEU:HD23	1:12:A:LEU:H	7	0.93
(1,443)	1:37:A:ILE:HG13	1:37:A:ILE:HA	10	0.92
(1,437)	1:18:A:LYS:HD2	1:18:A:LYS:HB3	1	0.92
(1,437)	1:18:A:LYS:HD2	1:18:A:LYS:HB3	10	0.92
(1,432)	1:7:A:ILE:HG13	1:7:A:ILE:HB	2	0.92
(1,432)	1:7:A:ILE:HG13	1:7:A:ILE:HB	7	0.92
(1,432)	1:7:A:ILE:HG13	1:7:A:ILE:HB	10	0.92
(1,421)	1:15:A:ILE:HG12	1:15:A:ILE:HB	1	0.92
(1,421)	1:15:A:ILE:HG12	1:15:A:ILE:HB	3	0.92
(1,421)	1:15:A:ILE:HG12	1:15:A:ILE:HB	10	0.92
(1,401)	1:29:A:ILE:HG13	1:29:A:ILE:HB	10	0.92
(1,353)	1:34:A:ILE:HG12	1:34:A:ILE:HB	10	0.92
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB1	3	0.92
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB2	3	0.92
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB3	3	0.92
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB1	6	0.92

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB2	6	0.92
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB3	6	0.92
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD11	3	0.92
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD12	3	0.92
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD13	3	0.92
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD11	3	0.92
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD12	3	0.92
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD13	3	0.92
(1,101)	1:8:A:VAL:HB	1:9:A:GLY:H	3	0.92
(1,86)	1:7:A:ILE:H	1:8:A:VAL:H	3	0.92
(1,68)	1:15:A:ILE:HG12	1:15:A:ILE:H	7	0.92
(1,438)	1:29:A:ILE:HG12	1:29:A:ILE:HA	6	0.91
(1,432)	1:7:A:ILE:HG13	1:7:A:ILE:HB	5	0.91
(1,421)	1:15:A:ILE:HG12	1:15:A:ILE:HB	5	0.91
(1,421)	1:15:A:ILE:HG12	1:15:A:ILE:HB	8	0.91
(1,398)	1:29:A:ILE:HG13	1:26:A:PHE:HA	2	0.91
(1,369)	1:15:A:ILE:HB	1:15:A:ILE:HG13	4	0.91
(1,324)	1:11:A:VAL:HB	1:11:A:VAL:HA	6	0.91
(1,299)	1:36:A:ARG:HD2	1:34:A:ILE:HG21	9	0.91
(1,299)	1:36:A:ARG:HD2	1:34:A:ILE:HG22	9	0.91
(1,299)	1:36:A:ARG:HD2	1:34:A:ILE:HG23	9	0.91
(1,294)	1:27:A:ARG:HD3	1:27:A:ARG:HA	10	0.91
(1,191)	1:19:A:TYR:HD1	1:19:A:TYR:HB2	10	0.91
(1,191)	1:19:A:TYR:HD2	1:19:A:TYR:HB2	10	0.91
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD11	6	0.91
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD12	6	0.91
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD13	6	0.91
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD11	6	0.91
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD12	6	0.91
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD13	6	0.91
(1,79)	1:5:A:LEU:HD21	1:5:A:LEU:H	2	0.91
(1,79)	1:5:A:LEU:HD22	1:5:A:LEU:H	2	0.91
(1,79)	1:5:A:LEU:HD23	1:5:A:LEU:H	2	0.91
(1,68)	1:15:A:ILE:HG12	1:15:A:ILE:H	4	0.91
(1,564)	1:28:A:VAL:HG21	1:25:A:LEU:HA	8	0.9
(1,564)	1:28:A:VAL:HG22	1:25:A:LEU:HA	8	0.9
(1,564)	1:28:A:VAL:HG23	1:25:A:LEU:HA	8	0.9
(1,401)	1:29:A:ILE:HG13	1:29:A:ILE:HB	2	0.9
(1,401)	1:29:A:ILE:HG13	1:29:A:ILE:HB	3	0.9
(1,369)	1:15:A:ILE:HB	1:15:A:ILE:HG13	7	0.9
(1,324)	1:11:A:VAL:HB	1:11:A:VAL:HA	8	0.9
(1,324)	1:11:A:VAL:HB	1:11:A:VAL:HA	10	0.9

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:33:A:ARG:HD2	1:33:A:ARG:HA	2	0.9
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB1	10	0.9
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB2	10	0.9
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB3	10	0.9
(1,288)	1:29:A:ILE:HA	1:29:A:ILE:HG12	10	0.9
(1,274)	1:16:A:ILE:HA	1:20:A:PHE:HB2	4	0.9
(1,190)	1:19:A:TYR:HD1	1:15:A:ILE:HA	6	0.9
(1,190)	1:19:A:TYR:HD2	1:15:A:ILE:HA	6	0.9
(1,176)	1:33:A:ARG:HA	1:33:A:ARG:HD2	2	0.9
(1,101)	1:8:A:VAL:HB	1:9:A:GLY:H	1	0.9
(1,86)	1:7:A:ILE:H	1:8:A:VAL:H	9	0.9
(1,78)	1:5:A:LEU:HG	1:5:A:LEU:H	4	0.9
(1,74)	1:16:A:ILE:HG13	1:16:A:ILE:H	10	0.9
(1,520)	1:19:A:TYR:HA	1:19:A:TYR:HB3	7	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	1	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	1	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	1	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	2	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	2	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	2	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	3	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	3	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	3	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	4	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	4	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	4	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	5	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	5	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	5	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	6	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	6	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	6	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	8	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	8	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	8	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	9	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	9	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	9	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	10	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	10	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	10	0.89
(1,494)	1:16:A:ILE:HD11	1:16:A:ILE:HG13	3	0.89

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:16:A:ILE:HD12	1:16:A:ILE:HG13	3	0.89
(1,494)	1:16:A:ILE:HD13	1:16:A:ILE:HG13	3	0.89
(1,494)	1:16:A:ILE:HD11	1:16:A:ILE:HG13	5	0.89
(1,494)	1:16:A:ILE:HD12	1:16:A:ILE:HG13	5	0.89
(1,494)	1:16:A:ILE:HD13	1:16:A:ILE:HG13	5	0.89
(1,494)	1:16:A:ILE:HD11	1:16:A:ILE:HG13	6	0.89
(1,494)	1:16:A:ILE:HD12	1:16:A:ILE:HG13	6	0.89
(1,494)	1:16:A:ILE:HD13	1:16:A:ILE:HG13	6	0.89
(1,494)	1:16:A:ILE:HD11	1:16:A:ILE:HG13	8	0.89
(1,494)	1:16:A:ILE:HD12	1:16:A:ILE:HG13	8	0.89
(1,494)	1:16:A:ILE:HD13	1:16:A:ILE:HG13	8	0.89
(1,494)	1:16:A:ILE:HD11	1:16:A:ILE:HG13	9	0.89
(1,494)	1:16:A:ILE:HD12	1:16:A:ILE:HG13	9	0.89
(1,494)	1:16:A:ILE:HD13	1:16:A:ILE:HG13	9	0.89
(1,494)	1:16:A:ILE:HD11	1:16:A:ILE:HG13	10	0.89
(1,494)	1:16:A:ILE:HD12	1:16:A:ILE:HG13	10	0.89
(1,494)	1:16:A:ILE:HD13	1:16:A:ILE:HG13	10	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	1	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	1	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	1	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	2	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	2	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	2	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	3	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	3	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	3	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	4	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	4	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	4	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	6	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	6	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	6	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	8	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	8	0.89
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	8	0.89
(1,462)	1:15:A:ILE:HD11	1:15:A:ILE:HA	3	0.89
(1,462)	1:15:A:ILE:HD12	1:15:A:ILE:HA	3	0.89
(1,462)	1:15:A:ILE:HD13	1:15:A:ILE:HA	3	0.89
(1,438)	1:29:A:ILE:HG12	1:29:A:ILE:HA	1	0.89
(1,421)	1:15:A:ILE:HG12	1:15:A:ILE:HB	4	0.89
(1,421)	1:15:A:ILE:HG12	1:15:A:ILE:HB	7	0.89
(1,405)	1:31:A:LEU:HB2	1:28:A:VAL:HA	1	0.89

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,384)	1:7:A:ILE:HA	1:7:A:ILE:HG12	2	0.89
(1,369)	1:15:A:ILE:HB	1:15:A:ILE:HG13	5	0.89
(1,369)	1:15:A:ILE:HB	1:15:A:ILE:HG13	8	0.89
(1,193)	1:19:A:TYR:HD1	1:19:A:TYR:HB3	4	0.89
(1,193)	1:19:A:TYR:HD2	1:19:A:TYR:HB3	4	0.89
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	7	0.88
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	7	0.88
(1,502)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	7	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	1	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	1	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	1	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	2	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	2	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	2	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	3	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	3	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	3	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	4	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	4	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	4	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	5	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	5	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	5	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	6	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	6	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	6	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	7	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	7	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	7	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	8	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	8	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	8	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	9	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	9	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	9	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	10	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	10	0.88
(1,495)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	10	0.88
(1,494)	1:16:A:ILE:HD11	1:16:A:ILE:HG13	1	0.88
(1,494)	1:16:A:ILE:HD12	1:16:A:ILE:HG13	1	0.88
(1,494)	1:16:A:ILE:HD13	1:16:A:ILE:HG13	1	0.88
(1,494)	1:16:A:ILE:HD11	1:16:A:ILE:HG13	2	0.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:16:A:ILE:HD12	1:16:A:ILE:HG13	2	0.88
(1,494)	1:16:A:ILE:HD13	1:16:A:ILE:HG13	2	0.88
(1,494)	1:16:A:ILE:HD11	1:16:A:ILE:HG13	4	0.88
(1,494)	1:16:A:ILE:HD12	1:16:A:ILE:HG13	4	0.88
(1,494)	1:16:A:ILE:HD13	1:16:A:ILE:HG13	4	0.88
(1,494)	1:16:A:ILE:HD11	1:16:A:ILE:HG13	7	0.88
(1,494)	1:16:A:ILE:HD12	1:16:A:ILE:HG13	7	0.88
(1,494)	1:16:A:ILE:HD13	1:16:A:ILE:HG13	7	0.88
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	5	0.88
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	5	0.88
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	5	0.88
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	7	0.88
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	7	0.88
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	7	0.88
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	9	0.88
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	9	0.88
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	9	0.88
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	10	0.88
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	10	0.88
(1,471)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	10	0.88
(1,369)	1:15:A:ILE:HB	1:15:A:ILE:HG13	2	0.88
(1,369)	1:15:A:ILE:HB	1:15:A:ILE:HG13	3	0.88
(1,324)	1:11:A:VAL:HB	1:11:A:VAL:HA	9	0.88
(1,320)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	1	0.88
(1,320)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	2	0.88
(1,320)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	3	0.88
(1,320)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	5	0.88
(1,320)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	7	0.88
(1,320)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	8	0.88
(1,320)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	9	0.88
(1,320)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	10	0.88
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB1	8	0.88
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB2	8	0.88
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB3	8	0.88
(1,256)	1:25:A:LEU:HA	1:25:A:LEU:HD21	4	0.88
(1,256)	1:25:A:LEU:HA	1:25:A:LEU:HD22	4	0.88
(1,256)	1:25:A:LEU:HA	1:25:A:LEU:HD23	4	0.88
(1,233)	1:37:A:ILE:HA	1:37:A:ILE:HG12	2	0.88
(1,191)	1:19:A:TYR:HD1	1:19:A:TYR:HB2	8	0.88
(1,191)	1:19:A:TYR:HD2	1:19:A:TYR:HB2	8	0.88
(1,186)	1:26:A:PHE:HD1	1:26:A:PHE:HA	2	0.88
(1,186)	1:26:A:PHE:HD2	1:26:A:PHE:HA	2	0.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:19:A:TYR:HB2	1:18:A:LYS:HD2	10	0.88
(1,101)	1:8:A:VAL:HB	1:9:A:GLY:H	2	0.88
(1,101)	1:8:A:VAL:HB	1:9:A:GLY:H	7	0.88
(1,462)	1:15:A:ILE:HD11	1:15:A:ILE:HA	1	0.87
(1,462)	1:15:A:ILE:HD12	1:15:A:ILE:HA	1	0.87
(1,462)	1:15:A:ILE:HD13	1:15:A:ILE:HA	1	0.87
(1,462)	1:15:A:ILE:HD11	1:15:A:ILE:HA	5	0.87
(1,462)	1:15:A:ILE:HD12	1:15:A:ILE:HA	5	0.87
(1,462)	1:15:A:ILE:HD13	1:15:A:ILE:HA	5	0.87
(1,462)	1:15:A:ILE:HD11	1:15:A:ILE:HA	9	0.87
(1,462)	1:15:A:ILE:HD12	1:15:A:ILE:HA	9	0.87
(1,462)	1:15:A:ILE:HD13	1:15:A:ILE:HA	9	0.87
(1,462)	1:15:A:ILE:HD11	1:15:A:ILE:HA	10	0.87
(1,462)	1:15:A:ILE:HD12	1:15:A:ILE:HA	10	0.87
(1,462)	1:15:A:ILE:HD13	1:15:A:ILE:HA	10	0.87
(1,438)	1:29:A:ILE:HG12	1:29:A:ILE:HA	9	0.87
(1,369)	1:15:A:ILE:HB	1:15:A:ILE:HG13	1	0.87
(1,369)	1:15:A:ILE:HB	1:15:A:ILE:HG13	6	0.87
(1,369)	1:15:A:ILE:HB	1:15:A:ILE:HG13	10	0.87
(1,361)	1:29:A:ILE:HB	1:26:A:PHE:HA	5	0.87
(1,320)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	4	0.87
(1,320)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	6	0.87
(1,277)	1:16:A:ILE:HG12	1:16:A:ILE:HA	7	0.87
(1,256)	1:25:A:LEU:HA	1:25:A:LEU:HD21	2	0.87
(1,256)	1:25:A:LEU:HA	1:25:A:LEU:HD22	2	0.87
(1,256)	1:25:A:LEU:HA	1:25:A:LEU:HD23	2	0.87
(1,198)	1:19:A:TYR:HA	1:19:A:TYR:HB2	5	0.87
(1,193)	1:19:A:TYR:HD1	1:19:A:TYR:HB3	2	0.87
(1,193)	1:19:A:TYR:HD2	1:19:A:TYR:HB3	2	0.87
(1,193)	1:19:A:TYR:HD1	1:19:A:TYR:HB3	6	0.87
(1,193)	1:19:A:TYR:HD2	1:19:A:TYR:HB3	6	0.87
(1,193)	1:19:A:TYR:HD1	1:19:A:TYR:HB3	7	0.87
(1,193)	1:19:A:TYR:HD2	1:19:A:TYR:HB3	7	0.87
(1,133)	1:14:A:ASP:HB3	1:15:A:ILE:H	5	0.87
(1,101)	1:8:A:VAL:HB	1:9:A:GLY:H	6	0.87
(1,82)	1:37:A:ILE:HG12	1:37:A:ILE:H	8	0.87
(1,31)	1:34:A:ILE:HG12	1:34:A:ILE:H	1	0.87
(1,506)	1:11:A:VAL:HG11	1:11:A:VAL:HA	9	0.86
(1,506)	1:11:A:VAL:HG12	1:11:A:VAL:HA	9	0.86
(1,506)	1:11:A:VAL:HG13	1:11:A:VAL:HA	9	0.86
(1,462)	1:15:A:ILE:HD11	1:15:A:ILE:HA	7	0.86
(1,462)	1:15:A:ILE:HD12	1:15:A:ILE:HA	7	0.86

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,462)	1:15:A:ILE:HD13	1:15:A:ILE:HA	7	0.86
(1,438)	1:29:A:ILE:HG12	1:29:A:ILE:HA	4	0.86
(1,438)	1:29:A:ILE:HG12	1:29:A:ILE:HA	7	0.86
(1,405)	1:31:A:LEU:HB2	1:28:A:VAL:HA	2	0.86
(1,405)	1:31:A:LEU:HB2	1:28:A:VAL:HA	4	0.86
(1,405)	1:31:A:LEU:HB2	1:28:A:VAL:HA	7	0.86
(1,401)	1:29:A:ILE:HG13	1:29:A:ILE:HB	5	0.86
(1,399)	1:27:A:ARG:HA	1:27:A:ARG:HG3	8	0.86
(1,369)	1:15:A:ILE:HB	1:15:A:ILE:HG13	9	0.86
(1,301)	1:33:A:ARG:HD2	1:33:A:ARG:HA	9	0.86
(1,277)	1:16:A:ILE:HG12	1:16:A:ILE:HA	2	0.86
(1,193)	1:19:A:TYR:HD1	1:19:A:TYR:HB3	3	0.86
(1,193)	1:19:A:TYR:HD2	1:19:A:TYR:HB3	3	0.86
(1,186)	1:26:A:PHE:HD1	1:26:A:PHE:HA	6	0.86
(1,186)	1:26:A:PHE:HD2	1:26:A:PHE:HA	6	0.86
(1,176)	1:33:A:ARG:HA	1:33:A:ARG:HD2	9	0.86
(1,101)	1:8:A:VAL:HB	1:9:A:GLY:H	5	0.86
(1,21)	1:17:A:GLN:HG3	1:17:A:GLN:H	7	0.86
(1,562)	1:27:A:ARG:HD3	1:27:A:ARG:HB2	3	0.85
(1,506)	1:11:A:VAL:HG11	1:11:A:VAL:HA	3	0.85
(1,506)	1:11:A:VAL:HG12	1:11:A:VAL:HA	3	0.85
(1,506)	1:11:A:VAL:HG13	1:11:A:VAL:HA	3	0.85
(1,506)	1:11:A:VAL:HG11	1:11:A:VAL:HA	6	0.85
(1,506)	1:11:A:VAL:HG12	1:11:A:VAL:HA	6	0.85
(1,506)	1:11:A:VAL:HG13	1:11:A:VAL:HA	6	0.85
(1,506)	1:11:A:VAL:HG11	1:11:A:VAL:HA	8	0.85
(1,506)	1:11:A:VAL:HG12	1:11:A:VAL:HA	8	0.85
(1,506)	1:11:A:VAL:HG13	1:11:A:VAL:HA	8	0.85
(1,441)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	2	0.85
(1,441)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	5	0.85
(1,441)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	10	0.85
(1,405)	1:31:A:LEU:HB2	1:28:A:VAL:HA	8	0.85
(1,394)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	2	0.85
(1,394)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	5	0.85
(1,394)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	10	0.85
(1,389)	1:7:A:ILE:HG13	1:7:A:ILE:HG12	9	0.85
(1,384)	1:7:A:ILE:HA	1:7:A:ILE:HG12	8	0.85
(1,350)	1:27:A:ARG:HB2	1:27:A:ARG:HD3	3	0.85
(1,306)	1:20:A:PHE:HB3	1:16:A:ILE:HA	5	0.85
(1,300)	1:26:A:PHE:HB3	1:23:A:PRO:HA	8	0.85
(1,295)	1:36:A:ARG:HD2	1:36:A:ARG:HA	2	0.85
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB1	5	0.85

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB2	5	0.85
(1,290)	1:29:A:ILE:HA	1:32:A:ALA:HB3	5	0.85
(1,288)	1:29:A:ILE:HA	1:29:A:ILE:HG12	2	0.85
(1,274)	1:16:A:ILE:HA	1:20:A:PHE:HB2	8	0.85
(1,250)	1:25:A:LEU:HB3	1:25:A:LEU:HA	8	0.85
(1,191)	1:19:A:TYR:HD1	1:19:A:TYR:HB2	5	0.85
(1,191)	1:19:A:TYR:HD2	1:19:A:TYR:HB2	5	0.85
(1,101)	1:8:A:VAL:HB	1:9:A:GLY:H	8	0.85
(1,564)	1:28:A:VAL:HG21	1:25:A:LEU:HA	2	0.84
(1,564)	1:28:A:VAL:HG22	1:25:A:LEU:HA	2	0.84
(1,564)	1:28:A:VAL:HG23	1:25:A:LEU:HA	2	0.84
(1,506)	1:11:A:VAL:HG11	1:11:A:VAL:HA	10	0.84
(1,506)	1:11:A:VAL:HG12	1:11:A:VAL:HA	10	0.84
(1,506)	1:11:A:VAL:HG13	1:11:A:VAL:HA	10	0.84
(1,445)	1:37:A:ILE:HG13	1:37:A:ILE:HG12	1	0.84
(1,445)	1:37:A:ILE:HG13	1:37:A:ILE:HG12	2	0.84
(1,445)	1:37:A:ILE:HG13	1:37:A:ILE:HG12	3	0.84
(1,445)	1:37:A:ILE:HG13	1:37:A:ILE:HG12	4	0.84
(1,445)	1:37:A:ILE:HG13	1:37:A:ILE:HG12	5	0.84
(1,445)	1:37:A:ILE:HG13	1:37:A:ILE:HG12	6	0.84
(1,445)	1:37:A:ILE:HG13	1:37:A:ILE:HG12	7	0.84
(1,445)	1:37:A:ILE:HG13	1:37:A:ILE:HG12	8	0.84
(1,445)	1:37:A:ILE:HG13	1:37:A:ILE:HG12	9	0.84
(1,445)	1:37:A:ILE:HG13	1:37:A:ILE:HG12	10	0.84
(1,441)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	1	0.84
(1,441)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	3	0.84
(1,441)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	4	0.84
(1,441)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	6	0.84
(1,441)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	7	0.84
(1,441)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	8	0.84
(1,441)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	9	0.84
(1,405)	1:31:A:LEU:HB2	1:28:A:VAL:HA	6	0.84
(1,394)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	1	0.84
(1,394)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	3	0.84
(1,394)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	4	0.84
(1,394)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	6	0.84
(1,394)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	7	0.84
(1,394)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	8	0.84
(1,394)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	9	0.84
(1,389)	1:7:A:ILE:HG13	1:7:A:ILE:HG12	1	0.84
(1,389)	1:7:A:ILE:HG13	1:7:A:ILE:HG12	2	0.84
(1,389)	1:7:A:ILE:HG13	1:7:A:ILE:HG12	3	0.84

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:7:A:ILE:HG13	1:7:A:ILE:HG12	4	0.84
(1,389)	1:7:A:ILE:HG13	1:7:A:ILE:HG12	5	0.84
(1,389)	1:7:A:ILE:HG13	1:7:A:ILE:HG12	6	0.84
(1,389)	1:7:A:ILE:HG13	1:7:A:ILE:HG12	7	0.84
(1,389)	1:7:A:ILE:HG13	1:7:A:ILE:HG12	8	0.84
(1,389)	1:7:A:ILE:HG13	1:7:A:ILE:HG12	10	0.84
(1,384)	1:7:A:ILE:HA	1:7:A:ILE:HG12	4	0.84
(1,361)	1:29:A:ILE:HB	1:26:A:PHE:HA	4	0.84
(1,351)	1:23:A:PRO:HB2	1:23:A:PRO:HB3	3	0.84
(1,351)	1:23:A:PRO:HB2	1:23:A:PRO:HB3	10	0.84
(1,330)	1:17:A:GLN:HB3	1:14:A:ASP:HA	1	0.84
(1,288)	1:29:A:ILE:HA	1:29:A:ILE:HG12	3	0.84
(1,258)	1:9:A:GLY:HA2	1:9:A:GLY:HA3	1	0.84
(1,258)	1:9:A:GLY:HA2	1:9:A:GLY:HA3	2	0.84
(1,258)	1:9:A:GLY:HA2	1:9:A:GLY:HA3	3	0.84
(1,258)	1:9:A:GLY:HA2	1:9:A:GLY:HA3	4	0.84
(1,258)	1:9:A:GLY:HA2	1:9:A:GLY:HA3	5	0.84
(1,258)	1:9:A:GLY:HA2	1:9:A:GLY:HA3	6	0.84
(1,258)	1:9:A:GLY:HA2	1:9:A:GLY:HA3	7	0.84
(1,258)	1:9:A:GLY:HA2	1:9:A:GLY:HA3	8	0.84
(1,258)	1:9:A:GLY:HA2	1:9:A:GLY:HA3	9	0.84
(1,258)	1:9:A:GLY:HA2	1:9:A:GLY:HA3	10	0.84
(1,256)	1:25:A:LEU:HA	1:25:A:LEU:HD21	6	0.84
(1,256)	1:25:A:LEU:HA	1:25:A:LEU:HD22	6	0.84
(1,256)	1:25:A:LEU:HA	1:25:A:LEU:HD23	6	0.84
(1,233)	1:37:A:ILE:HA	1:37:A:ILE:HG12	6	0.84
(1,195)	1:20:A:PHE:HD1	1:20:A:PHE:HB2	8	0.84
(1,195)	1:20:A:PHE:HD2	1:20:A:PHE:HB2	8	0.84
(1,100)	1:8:A:VAL:H	1:9:A:GLY:H	9	0.84
(1,86)	1:7:A:ILE:H	1:8:A:VAL:H	5	0.84
(1,74)	1:16:A:ILE:HG13	1:16:A:ILE:H	1	0.84
(1,506)	1:11:A:VAL:HG11	1:11:A:VAL:HA	2	0.83
(1,506)	1:11:A:VAL:HG12	1:11:A:VAL:HA	2	0.83
(1,506)	1:11:A:VAL:HG13	1:11:A:VAL:HA	2	0.83
(1,506)	1:11:A:VAL:HG11	1:11:A:VAL:HA	5	0.83
(1,506)	1:11:A:VAL:HG12	1:11:A:VAL:HA	5	0.83
(1,506)	1:11:A:VAL:HG13	1:11:A:VAL:HA	5	0.83
(1,462)	1:15:A:ILE:HD11	1:15:A:ILE:HA	2	0.83
(1,462)	1:15:A:ILE:HD12	1:15:A:ILE:HA	2	0.83
(1,462)	1:15:A:ILE:HD13	1:15:A:ILE:HA	2	0.83
(1,437)	1:18:A:LYS:HD2	1:18:A:LYS:HB3	3	0.83
(1,418)	1:37:A:ILE:HB	1:37:A:ILE:HG12	3	0.83

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:31:A:LEU:HB2	1:28:A:VAL:HA	3	0.83
(1,398)	1:29:A:ILE:HG13	1:26:A:PHE:HA	5	0.83
(1,384)	1:7:A:ILE:HA	1:7:A:ILE:HG12	10	0.83
(1,351)	1:23:A:PRO:HB2	1:23:A:PRO:HB3	1	0.83
(1,351)	1:23:A:PRO:HB2	1:23:A:PRO:HB3	2	0.83
(1,351)	1:23:A:PRO:HB2	1:23:A:PRO:HB3	4	0.83
(1,351)	1:23:A:PRO:HB2	1:23:A:PRO:HB3	5	0.83
(1,351)	1:23:A:PRO:HB2	1:23:A:PRO:HB3	6	0.83
(1,351)	1:23:A:PRO:HB2	1:23:A:PRO:HB3	7	0.83
(1,351)	1:23:A:PRO:HB2	1:23:A:PRO:HB3	8	0.83
(1,351)	1:23:A:PRO:HB2	1:23:A:PRO:HB3	9	0.83
(1,301)	1:33:A:ARG:HD2	1:33:A:ARG:HA	4	0.83
(1,277)	1:16:A:ILE:HG12	1:16:A:ILE:HA	1	0.83
(1,277)	1:16:A:ILE:HG12	1:16:A:ILE:HA	4	0.83
(1,277)	1:16:A:ILE:HG12	1:16:A:ILE:HA	9	0.83
(1,233)	1:37:A:ILE:HA	1:37:A:ILE:HG12	7	0.83
(1,191)	1:19:A:TYR:HD1	1:19:A:TYR:HB2	1	0.83
(1,191)	1:19:A:TYR:HD2	1:19:A:TYR:HB2	1	0.83
(1,176)	1:33:A:ARG:HA	1:33:A:ARG:HD2	4	0.83
(1,100)	1:8:A:VAL:H	1:9:A:GLY:H	6	0.83
(1,565)	1:12:A:LEU:HB2	1:8:A:VAL:HG11	9	0.82
(1,565)	1:12:A:LEU:HB2	1:8:A:VAL:HG12	9	0.82
(1,565)	1:12:A:LEU:HB2	1:8:A:VAL:HG13	9	0.82
(1,564)	1:28:A:VAL:HG21	1:25:A:LEU:HA	6	0.82
(1,564)	1:28:A:VAL:HG22	1:25:A:LEU:HA	6	0.82
(1,564)	1:28:A:VAL:HG23	1:25:A:LEU:HA	6	0.82
(1,506)	1:11:A:VAL:HG11	1:11:A:VAL:HA	1	0.82
(1,506)	1:11:A:VAL:HG12	1:11:A:VAL:HA	1	0.82
(1,506)	1:11:A:VAL:HG13	1:11:A:VAL:HA	1	0.82
(1,506)	1:11:A:VAL:HG11	1:11:A:VAL:HA	7	0.82
(1,506)	1:11:A:VAL:HG12	1:11:A:VAL:HA	7	0.82
(1,506)	1:11:A:VAL:HG13	1:11:A:VAL:HA	7	0.82
(1,431)	1:4:A:ILE:HG12	1:4:A:ILE:HA	3	0.82
(1,418)	1:37:A:ILE:HB	1:37:A:ILE:HG12	10	0.82
(1,405)	1:31:A:LEU:HB2	1:28:A:VAL:HA	9	0.82
(1,399)	1:27:A:ARG:HA	1:27:A:ARG:HG3	3	0.82
(1,195)	1:20:A:PHE:HD1	1:20:A:PHE:HB2	10	0.82
(1,195)	1:20:A:PHE:HD2	1:20:A:PHE:HB2	10	0.82
(1,179)	1:19:A:TYR:HB2	1:18:A:LYS:HD2	9	0.82
(1,74)	1:16:A:ILE:HG13	1:16:A:ILE:H	3	0.82
(1,31)	1:34:A:ILE:HG12	1:34:A:ILE:H	4	0.82
(1,21)	1:17:A:GLN:HG3	1:17:A:GLN:H	8	0.82

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:11:A:VAL:HG11	1:11:A:VAL:HA	4	0.81
(1,506)	1:11:A:VAL:HG12	1:11:A:VAL:HA	4	0.81
(1,506)	1:11:A:VAL:HG13	1:11:A:VAL:HA	4	0.81
(1,462)	1:15:A:ILE:HD11	1:15:A:ILE:HA	6	0.81
(1,462)	1:15:A:ILE:HD12	1:15:A:ILE:HA	6	0.81
(1,462)	1:15:A:ILE:HD13	1:15:A:ILE:HA	6	0.81
(1,462)	1:15:A:ILE:HD11	1:15:A:ILE:HA	8	0.81
(1,462)	1:15:A:ILE:HD12	1:15:A:ILE:HA	8	0.81
(1,462)	1:15:A:ILE:HD13	1:15:A:ILE:HA	8	0.81
(1,418)	1:37:A:ILE:HB	1:37:A:ILE:HG12	9	0.81
(1,405)	1:31:A:LEU:HB2	1:28:A:VAL:HA	10	0.81
(1,277)	1:16:A:ILE:HG12	1:16:A:ILE:HA	3	0.81
(1,277)	1:16:A:ILE:HG12	1:16:A:ILE:HA	6	0.81
(1,277)	1:16:A:ILE:HG12	1:16:A:ILE:HA	8	0.81
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG21	9	0.81
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG22	9	0.81
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG23	9	0.81
(1,121)	1:11:A:VAL:HG21	1:11:A:VAL:H	9	0.81
(1,121)	1:11:A:VAL:HG22	1:11:A:VAL:H	9	0.81
(1,121)	1:11:A:VAL:HG23	1:11:A:VAL:H	9	0.81
(1,101)	1:8:A:VAL:HB	1:9:A:GLY:H	10	0.81
(1,100)	1:8:A:VAL:H	1:9:A:GLY:H	10	0.81
(1,74)	1:16:A:ILE:HG13	1:16:A:ILE:H	8	0.81
(1,562)	1:27:A:ARG:HD3	1:27:A:ARG:HB2	8	0.8
(1,462)	1:15:A:ILE:HD11	1:15:A:ILE:HA	4	0.8
(1,462)	1:15:A:ILE:HD12	1:15:A:ILE:HA	4	0.8
(1,462)	1:15:A:ILE:HD13	1:15:A:ILE:HA	4	0.8
(1,438)	1:29:A:ILE:HG12	1:29:A:ILE:HA	10	0.8
(1,402)	1:27:A:ARG:HB2	1:27:A:ARG:HG3	4	0.8
(1,402)	1:27:A:ARG:HB2	1:27:A:ARG:HG3	7	0.8
(1,350)	1:27:A:ARG:HB2	1:27:A:ARG:HD3	8	0.8
(1,277)	1:16:A:ILE:HG12	1:16:A:ILE:HA	10	0.8
(1,272)	1:23:A:PRO:HD3	1:23:A:PRO:HG3	9	0.8
(1,190)	1:19:A:TYR:HD1	1:15:A:ILE:HA	3	0.8
(1,190)	1:19:A:TYR:HD2	1:15:A:ILE:HA	3	0.8
(1,186)	1:26:A:PHE:HD1	1:26:A:PHE:HA	4	0.8
(1,186)	1:26:A:PHE:HD2	1:26:A:PHE:HA	4	0.8
(1,148)	1:18:A:LYS:H	1:17:A:GLN:HG3	4	0.8
(1,101)	1:8:A:VAL:HB	1:9:A:GLY:H	4	0.8
(1,100)	1:8:A:VAL:H	1:9:A:GLY:H	4	0.8
(1,100)	1:8:A:VAL:H	1:9:A:GLY:H	7	0.8
(1,74)	1:16:A:ILE:HG13	1:16:A:ILE:H	9	0.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:8:A:VAL:HG11	1:8:A:VAL:H	9	0.8
(1,51)	1:8:A:VAL:HG12	1:8:A:VAL:H	9	0.8
(1,51)	1:8:A:VAL:HG13	1:8:A:VAL:H	9	0.8
(1,550)	1:7:A:ILE:HG13	1:7:A:ILE:HA	1	0.79
(1,550)	1:7:A:ILE:HG13	1:7:A:ILE:HA	3	0.79
(1,524)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	2	0.79
(1,524)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	2	0.79
(1,524)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	2	0.79
(1,524)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	4	0.79
(1,524)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	4	0.79
(1,524)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	4	0.79
(1,524)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	6	0.79
(1,524)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	6	0.79
(1,524)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	6	0.79
(1,524)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	7	0.79
(1,524)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	7	0.79
(1,524)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	7	0.79
(1,522)	1:37:A:ILE:HB	1:37:A:ILE:HG13	9	0.79
(1,272)	1:23:A:PRO:HD3	1:23:A:PRO:HG3	1	0.79
(1,272)	1:23:A:PRO:HD3	1:23:A:PRO:HG3	3	0.79
(1,272)	1:23:A:PRO:HD3	1:23:A:PRO:HG3	7	0.79
(1,272)	1:23:A:PRO:HD3	1:23:A:PRO:HG3	8	0.79
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG21	1	0.79
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG22	1	0.79
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG23	1	0.79
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG21	1	0.79
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG22	1	0.79
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG23	1	0.79
(1,193)	1:19:A:TYR:HD1	1:19:A:TYR:HB3	9	0.79
(1,193)	1:19:A:TYR:HD2	1:19:A:TYR:HB3	9	0.79
(1,133)	1:14:A:ASP:HB3	1:15:A:ILE:H	7	0.79
(1,121)	1:11:A:VAL:HG21	1:11:A:VAL:H	6	0.79
(1,121)	1:11:A:VAL:HG22	1:11:A:VAL:H	6	0.79
(1,121)	1:11:A:VAL:HG23	1:11:A:VAL:H	6	0.79
(1,121)	1:11:A:VAL:HG21	1:11:A:VAL:H	10	0.79
(1,121)	1:11:A:VAL:HG22	1:11:A:VAL:H	10	0.79
(1,121)	1:11:A:VAL:HG23	1:11:A:VAL:H	10	0.79
(1,100)	1:8:A:VAL:H	1:9:A:GLY:H	8	0.79
(1,91)	1:20:A:PHE:H	1:19:A:TYR:H	8	0.79
(1,86)	1:7:A:ILE:H	1:8:A:VAL:H	7	0.79
(1,31)	1:34:A:ILE:HG12	1:34:A:ILE:H	9	0.79
(1,524)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	1	0.78

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	1	0.78
(1,524)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	1	0.78
(1,524)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	3	0.78
(1,524)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	3	0.78
(1,524)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	3	0.78
(1,524)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	5	0.78
(1,524)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	5	0.78
(1,524)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	5	0.78
(1,524)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	8	0.78
(1,524)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	8	0.78
(1,524)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	8	0.78
(1,524)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	9	0.78
(1,524)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	9	0.78
(1,524)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	9	0.78
(1,524)	1:37:A:ILE:HD11	1:37:A:ILE:HG13	10	0.78
(1,524)	1:37:A:ILE:HD12	1:37:A:ILE:HG13	10	0.78
(1,524)	1:37:A:ILE:HD13	1:37:A:ILE:HG13	10	0.78
(1,522)	1:37:A:ILE:HB	1:37:A:ILE:HG13	3	0.78
(1,522)	1:37:A:ILE:HB	1:37:A:ILE:HG13	10	0.78
(1,470)	1:15:A:ILE:HD11	1:15:A:ILE:HG13	1	0.78
(1,470)	1:15:A:ILE:HD12	1:15:A:ILE:HG13	1	0.78
(1,470)	1:15:A:ILE:HD13	1:15:A:ILE:HG13	1	0.78
(1,470)	1:15:A:ILE:HD11	1:15:A:ILE:HG13	2	0.78
(1,470)	1:15:A:ILE:HD12	1:15:A:ILE:HG13	2	0.78
(1,470)	1:15:A:ILE:HD13	1:15:A:ILE:HG13	2	0.78
(1,470)	1:15:A:ILE:HD11	1:15:A:ILE:HG13	3	0.78
(1,470)	1:15:A:ILE:HD12	1:15:A:ILE:HG13	3	0.78
(1,470)	1:15:A:ILE:HD13	1:15:A:ILE:HG13	3	0.78
(1,470)	1:15:A:ILE:HD11	1:15:A:ILE:HG13	4	0.78
(1,470)	1:15:A:ILE:HD12	1:15:A:ILE:HG13	4	0.78
(1,470)	1:15:A:ILE:HD13	1:15:A:ILE:HG13	4	0.78
(1,470)	1:15:A:ILE:HD11	1:15:A:ILE:HG13	5	0.78
(1,470)	1:15:A:ILE:HD12	1:15:A:ILE:HG13	5	0.78
(1,470)	1:15:A:ILE:HD13	1:15:A:ILE:HG13	5	0.78
(1,470)	1:15:A:ILE:HD11	1:15:A:ILE:HG13	6	0.78
(1,470)	1:15:A:ILE:HD12	1:15:A:ILE:HG13	6	0.78
(1,470)	1:15:A:ILE:HD13	1:15:A:ILE:HG13	6	0.78
(1,470)	1:15:A:ILE:HD11	1:15:A:ILE:HG13	7	0.78
(1,470)	1:15:A:ILE:HD12	1:15:A:ILE:HG13	7	0.78
(1,470)	1:15:A:ILE:HD13	1:15:A:ILE:HG13	7	0.78
(1,470)	1:15:A:ILE:HD11	1:15:A:ILE:HG13	8	0.78
(1,470)	1:15:A:ILE:HD12	1:15:A:ILE:HG13	8	0.78

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:15:A:ILE:HD13	1:15:A:ILE:HG13	8	0.78
(1,470)	1:15:A:ILE:HD11	1:15:A:ILE:HG13	9	0.78
(1,470)	1:15:A:ILE:HD12	1:15:A:ILE:HG13	9	0.78
(1,470)	1:15:A:ILE:HD13	1:15:A:ILE:HG13	9	0.78
(1,470)	1:15:A:ILE:HD11	1:15:A:ILE:HG13	10	0.78
(1,470)	1:15:A:ILE:HD12	1:15:A:ILE:HG13	10	0.78
(1,470)	1:15:A:ILE:HD13	1:15:A:ILE:HG13	10	0.78
(1,437)	1:18:A:LYS:HD2	1:18:A:LYS:HB3	4	0.78
(1,398)	1:29:A:ILE:HG13	1:26:A:PHE:HA	6	0.78
(1,398)	1:29:A:ILE:HG13	1:26:A:PHE:HA	8	0.78
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG21	2	0.78
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG22	2	0.78
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG23	2	0.78
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG21	4	0.78
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG22	4	0.78
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG23	4	0.78
(1,301)	1:33:A:ARG:HD2	1:33:A:ARG:HA	6	0.78
(1,272)	1:23:A:PRO:HD3	1:23:A:PRO:HG3	2	0.78
(1,272)	1:23:A:PRO:HD3	1:23:A:PRO:HG3	4	0.78
(1,272)	1:23:A:PRO:HD3	1:23:A:PRO:HG3	5	0.78
(1,272)	1:23:A:PRO:HD3	1:23:A:PRO:HG3	6	0.78
(1,272)	1:23:A:PRO:HD3	1:23:A:PRO:HG3	10	0.78
(1,231)	1:24:A:THR:HA	1:24:A:THR:HB	3	0.78
(1,231)	1:24:A:THR:HA	1:24:A:THR:HB	5	0.78
(1,207)	1:36:A:ARG:HA	1:36:A:ARG:HB3	1	0.78
(1,187)	1:21:A:PHE:HD1	1:21:A:PHE:HB2	3	0.78
(1,187)	1:21:A:PHE:HD2	1:21:A:PHE:HB2	3	0.78
(1,176)	1:33:A:ARG:HA	1:33:A:ARG:HD2	6	0.78
(1,133)	1:14:A:ASP:HB3	1:15:A:ILE:H	6	0.78
(1,100)	1:8:A:VAL:H	1:9:A:GLY:H	2	0.78
(1,361)	1:29:A:ILE:HB	1:26:A:PHE:HA	6	0.77
(1,288)	1:29:A:ILE:HA	1:29:A:ILE:HG12	5	0.77
(1,277)	1:16:A:ILE:HG12	1:16:A:ILE:HA	5	0.77
(1,274)	1:16:A:ILE:HA	1:20:A:PHE:HB2	2	0.77
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG21	7	0.77
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG22	7	0.77
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG23	7	0.77
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG21	7	0.77
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG22	7	0.77
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG23	7	0.77
(1,190)	1:19:A:TYR:HD1	1:15:A:ILE:HA	9	0.77
(1,190)	1:19:A:TYR:HD2	1:15:A:ILE:HA	9	0.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:4:A:ILE:H	1:5:A:LEU:H	9	0.77
(1,115)	1:35:A:GLY:H	1:34:A:ILE:H	3	0.77
(1,100)	1:8:A:VAL:H	1:9:A:GLY:H	5	0.77
(1,91)	1:20:A:PHE:H	1:19:A:TYR:H	1	0.77
(1,91)	1:20:A:PHE:H	1:19:A:TYR:H	10	0.77
(1,86)	1:7:A:ILE:H	1:8:A:VAL:H	10	0.77
(1,85)	1:36:A:ARG:H	1:37:A:ILE:H	5	0.77
(1,411)	1:34:A:ILE:HG13	1:34:A:ILE:HG12	2	0.76
(1,411)	1:34:A:ILE:HG13	1:34:A:ILE:HG12	3	0.76
(1,411)	1:34:A:ILE:HG13	1:34:A:ILE:HG12	4	0.76
(1,411)	1:34:A:ILE:HG13	1:34:A:ILE:HG12	5	0.76
(1,411)	1:34:A:ILE:HG13	1:34:A:ILE:HG12	7	0.76
(1,411)	1:34:A:ILE:HG13	1:34:A:ILE:HG12	8	0.76
(1,411)	1:34:A:ILE:HG13	1:34:A:ILE:HG12	10	0.76
(1,398)	1:29:A:ILE:HG13	1:26:A:PHE:HA	1	0.76
(1,301)	1:33:A:ARG:HD2	1:33:A:ARG:HA	1	0.76
(1,231)	1:24:A:THR:HA	1:24:A:THR:HB	1	0.76
(1,231)	1:24:A:THR:HA	1:24:A:THR:HB	7	0.76
(1,231)	1:24:A:THR:HA	1:24:A:THR:HB	10	0.76
(1,207)	1:36:A:ARG:HA	1:36:A:ARG:HB3	6	0.76
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG21	9	0.76
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG22	9	0.76
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG23	9	0.76
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG21	9	0.76
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG22	9	0.76
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG23	9	0.76
(1,176)	1:33:A:ARG:HA	1:33:A:ARG:HD2	1	0.76
(1,133)	1:14:A:ASP:HB3	1:15:A:ILE:H	8	0.76
(1,121)	1:11:A:VAL:HG21	1:11:A:VAL:H	8	0.76
(1,121)	1:11:A:VAL:HG22	1:11:A:VAL:H	8	0.76
(1,121)	1:11:A:VAL:HG23	1:11:A:VAL:H	8	0.76
(1,86)	1:7:A:ILE:H	1:8:A:VAL:H	1	0.76
(1,36)	1:28:A:VAL:HG21	1:28:A:VAL:H	1	0.76
(1,36)	1:28:A:VAL:HG22	1:28:A:VAL:H	1	0.76
(1,36)	1:28:A:VAL:HG23	1:28:A:VAL:H	1	0.76
(1,563)	1:24:A:THR:HA	1:27:A:ARG:HB2	6	0.75
(1,550)	1:7:A:ILE:HG13	1:7:A:ILE:HA	6	0.75
(1,438)	1:29:A:ILE:HG12	1:29:A:ILE:HA	2	0.75
(1,411)	1:34:A:ILE:HG13	1:34:A:ILE:HG12	1	0.75
(1,411)	1:34:A:ILE:HG13	1:34:A:ILE:HG12	6	0.75
(1,411)	1:34:A:ILE:HG13	1:34:A:ILE:HG12	9	0.75
(1,398)	1:29:A:ILE:HG13	1:26:A:PHE:HA	7	0.75

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,393)	1:25:A:LEU:HB3	1:25:A:LEU:HA	8	0.75
(1,381)	1:37:A:ILE:HB	1:37:A:ILE:HG12	8	0.75
(1,231)	1:24:A:THR:HA	1:24:A:THR:HB	4	0.75
(1,231)	1:24:A:THR:HA	1:24:A:THR:HB	8	0.75
(1,231)	1:24:A:THR:HA	1:24:A:THR:HB	9	0.75
(1,207)	1:36:A:ARG:HA	1:36:A:ARG:HB3	9	0.75
(1,195)	1:20:A:PHE:HD1	1:20:A:PHE:HB2	1	0.75
(1,195)	1:20:A:PHE:HD2	1:20:A:PHE:HB2	1	0.75
(1,188)	1:26:A:PHE:HD1	1:26:A:PHE:HB3	4	0.75
(1,188)	1:26:A:PHE:HD2	1:26:A:PHE:HB3	4	0.75
(1,155)	1:4:A:ILE:H	1:5:A:LEU:H	4	0.75
(1,133)	1:14:A:ASP:HB3	1:15:A:ILE:H	10	0.75
(1,100)	1:8:A:VAL:H	1:9:A:GLY:H	1	0.75
(1,92)	1:20:A:PHE:H	1:21:A:PHE:H	5	0.75
(1,74)	1:16:A:ILE:HG13	1:16:A:ILE:H	4	0.75
(1,36)	1:28:A:VAL:HG21	1:28:A:VAL:H	8	0.75
(1,36)	1:28:A:VAL:HG22	1:28:A:VAL:H	8	0.75
(1,36)	1:28:A:VAL:HG23	1:28:A:VAL:H	8	0.75
(1,555)	1:7:A:ILE:HB	1:7:A:ILE:HG13	9	0.74
(1,453)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	6	0.74
(1,453)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	6	0.74
(1,453)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	6	0.74
(1,438)	1:29:A:ILE:HG12	1:29:A:ILE:HA	3	0.74
(1,399)	1:27:A:ARG:HA	1:27:A:ARG:HG3	9	0.74
(1,381)	1:37:A:ILE:HB	1:37:A:ILE:HG12	5	0.74
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG21	3	0.74
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG22	3	0.74
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG23	3	0.74
(1,233)	1:37:A:ILE:HA	1:37:A:ILE:HG12	4	0.74
(1,231)	1:24:A:THR:HA	1:24:A:THR:HB	2	0.74
(1,188)	1:26:A:PHE:HD1	1:26:A:PHE:HB3	2	0.74
(1,188)	1:26:A:PHE:HD2	1:26:A:PHE:HB3	2	0.74
(1,188)	1:26:A:PHE:HD1	1:26:A:PHE:HB3	6	0.74
(1,188)	1:26:A:PHE:HD2	1:26:A:PHE:HB3	6	0.74
(1,188)	1:26:A:PHE:HD1	1:26:A:PHE:HB3	7	0.74
(1,188)	1:26:A:PHE:HD2	1:26:A:PHE:HB3	7	0.74
(1,188)	1:26:A:PHE:HD1	1:26:A:PHE:HB3	8	0.74
(1,188)	1:26:A:PHE:HD2	1:26:A:PHE:HB3	8	0.74
(1,185)	1:26:A:PHE:HD1	1:23:A:PRO:HA	1	0.74
(1,185)	1:26:A:PHE:HD2	1:23:A:PRO:HA	1	0.74
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD11	9	0.74
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD12	9	0.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:5:A:LEU:HA	1:5:A:LEU:HD13	9	0.74
(1,170)	1:14:A:ASP:HA	1:17:A:GLN:HB3	9	0.74
(1,133)	1:14:A:ASP:HB3	1:15:A:ILE:H	1	0.74
(1,121)	1:11:A:VAL:HG21	1:11:A:VAL:H	4	0.74
(1,121)	1:11:A:VAL:HG22	1:11:A:VAL:H	4	0.74
(1,121)	1:11:A:VAL:HG23	1:11:A:VAL:H	4	0.74
(1,79)	1:5:A:LEU:HD21	1:5:A:LEU:H	1	0.74
(1,79)	1:5:A:LEU:HD22	1:5:A:LEU:H	1	0.74
(1,79)	1:5:A:LEU:HD23	1:5:A:LEU:H	1	0.74
(1,74)	1:16:A:ILE:HG13	1:16:A:ILE:H	7	0.74
(1,555)	1:7:A:ILE:HB	1:7:A:ILE:HG13	4	0.73
(1,555)	1:7:A:ILE:HB	1:7:A:ILE:HG13	8	0.73
(1,476)	1:5:A:LEU:HA	1:5:A:LEU:HD11	1	0.73
(1,476)	1:5:A:LEU:HA	1:5:A:LEU:HD12	1	0.73
(1,476)	1:5:A:LEU:HA	1:5:A:LEU:HD13	1	0.73
(1,476)	1:5:A:LEU:HA	1:5:A:LEU:HD11	2	0.73
(1,476)	1:5:A:LEU:HA	1:5:A:LEU:HD12	2	0.73
(1,476)	1:5:A:LEU:HA	1:5:A:LEU:HD13	2	0.73
(1,381)	1:37:A:ILE:HB	1:37:A:ILE:HG12	1	0.73
(1,195)	1:20:A:PHE:HD1	1:20:A:PHE:HB2	9	0.73
(1,195)	1:20:A:PHE:HD2	1:20:A:PHE:HB2	9	0.73
(1,188)	1:26:A:PHE:HD1	1:26:A:PHE:HB3	10	0.73
(1,188)	1:26:A:PHE:HD2	1:26:A:PHE:HB3	10	0.73
(1,187)	1:21:A:PHE:HD1	1:21:A:PHE:HB2	10	0.73
(1,187)	1:21:A:PHE:HD2	1:21:A:PHE:HB2	10	0.73
(1,133)	1:14:A:ASP:HB3	1:15:A:ILE:H	9	0.73
(1,121)	1:11:A:VAL:HG21	1:11:A:VAL:H	1	0.73
(1,121)	1:11:A:VAL:HG22	1:11:A:VAL:H	1	0.73
(1,121)	1:11:A:VAL:HG23	1:11:A:VAL:H	1	0.73
(1,121)	1:11:A:VAL:HG21	1:11:A:VAL:H	7	0.73
(1,121)	1:11:A:VAL:HG22	1:11:A:VAL:H	7	0.73
(1,121)	1:11:A:VAL:HG23	1:11:A:VAL:H	7	0.73
(1,100)	1:8:A:VAL:H	1:9:A:GLY:H	3	0.73
(1,86)	1:7:A:ILE:H	1:8:A:VAL:H	4	0.73
(1,74)	1:16:A:ILE:HG13	1:16:A:ILE:H	2	0.73
(1,555)	1:7:A:ILE:HB	1:7:A:ILE:HG13	2	0.72
(1,555)	1:7:A:ILE:HB	1:7:A:ILE:HG13	7	0.72
(1,555)	1:7:A:ILE:HB	1:7:A:ILE:HG13	10	0.72
(1,453)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	9	0.72
(1,453)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	9	0.72
(1,453)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	9	0.72
(1,450)	1:15:A:ILE:HG21	1:15:A:ILE:HA	6	0.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:15:A:ILE:HG22	1:15:A:ILE:HA	6	0.72
(1,450)	1:15:A:ILE:HG23	1:15:A:ILE:HA	6	0.72
(1,428)	1:34:A:ILE:HG12	1:34:A:ILE:HA	6	0.72
(1,312)	1:14:A:ASP:HB2	1:14:A:ASP:HA	9	0.72
(1,301)	1:33:A:ARG:HD2	1:33:A:ARG:HA	7	0.72
(1,286)	1:8:A:VAL:HA	1:8:A:VAL:HB	9	0.72
(1,209)	1:23:A:PRO:HB3	1:23:A:PRO:HA	10	0.72
(1,176)	1:33:A:ARG:HA	1:33:A:ARG:HD2	7	0.72
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD11	10	0.72
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD12	10	0.72
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD13	10	0.72
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD11	10	0.72
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD12	10	0.72
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD13	10	0.72
(1,121)	1:11:A:VAL:HG21	1:11:A:VAL:H	2	0.72
(1,121)	1:11:A:VAL:HG22	1:11:A:VAL:H	2	0.72
(1,121)	1:11:A:VAL:HG23	1:11:A:VAL:H	2	0.72
(1,121)	1:11:A:VAL:HG21	1:11:A:VAL:H	5	0.72
(1,121)	1:11:A:VAL:HG22	1:11:A:VAL:H	5	0.72
(1,121)	1:11:A:VAL:HG23	1:11:A:VAL:H	5	0.72
(1,90)	1:7:A:ILE:H	1:8:A:VAL:H	3	0.72
(1,86)	1:7:A:ILE:H	1:8:A:VAL:H	6	0.72
(1,74)	1:16:A:ILE:HG13	1:16:A:ILE:H	6	0.72
(1,54)	1:30:A:ARG:HD3	1:30:A:ARG:H	4	0.72
(1,31)	1:34:A:ILE:HG12	1:34:A:ILE:H	8	0.72
(1,555)	1:7:A:ILE:HB	1:7:A:ILE:HG13	5	0.71
(1,453)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	1	0.71
(1,453)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	1	0.71
(1,453)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	1	0.71
(1,453)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	2	0.71
(1,453)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	2	0.71
(1,453)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	2	0.71
(1,453)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	3	0.71
(1,453)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	3	0.71
(1,453)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	3	0.71
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG21	6	0.71
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG22	6	0.71
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG23	6	0.71
(1,257)	1:28:A:VAL:HG21	1:25:A:LEU:HA	1	0.71
(1,257)	1:28:A:VAL:HG22	1:25:A:LEU:HA	1	0.71
(1,257)	1:28:A:VAL:HG23	1:25:A:LEU:HA	1	0.71
(1,209)	1:23:A:PRO:HB3	1:23:A:PRO:HA	1	0.71

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,209)	1:23:A:PRO:HB3	1:23:A:PRO:HA	2	0.71
(1,209)	1:23:A:PRO:HB3	1:23:A:PRO:HA	3	0.71
(1,209)	1:23:A:PRO:HB3	1:23:A:PRO:HA	5	0.71
(1,209)	1:23:A:PRO:HB3	1:23:A:PRO:HA	7	0.71
(1,209)	1:23:A:PRO:HB3	1:23:A:PRO:HA	8	0.71
(1,207)	1:36:A:ARG:HA	1:36:A:ARG:HB3	7	0.71
(1,190)	1:19:A:TYR:HD1	1:15:A:ILE:HA	2	0.71
(1,190)	1:19:A:TYR:HD2	1:15:A:ILE:HA	2	0.71
(1,188)	1:26:A:PHE:HD1	1:26:A:PHE:HB3	3	0.71
(1,188)	1:26:A:PHE:HD2	1:26:A:PHE:HB3	3	0.71
(1,188)	1:26:A:PHE:HD1	1:26:A:PHE:HB3	9	0.71
(1,188)	1:26:A:PHE:HD2	1:26:A:PHE:HB3	9	0.71
(1,121)	1:11:A:VAL:HG21	1:11:A:VAL:H	3	0.71
(1,121)	1:11:A:VAL:HG22	1:11:A:VAL:H	3	0.71
(1,121)	1:11:A:VAL:HG23	1:11:A:VAL:H	3	0.71
(1,86)	1:7:A:ILE:H	1:8:A:VAL:H	2	0.71
(1,2)	1:9:A:GLY:HA3	1:9:A:GLY:H	10	0.71
(1,453)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	8	0.7
(1,453)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	8	0.7
(1,453)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	8	0.7
(1,453)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	10	0.7
(1,453)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	10	0.7
(1,453)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	10	0.7
(1,312)	1:14:A:ASP:HB2	1:14:A:ASP:HA	4	0.7
(1,244)	1:18:A:LYS:HA	1:18:A:LYS:HB3	5	0.7
(1,209)	1:23:A:PRO:HB3	1:23:A:PRO:HA	6	0.7
(1,209)	1:23:A:PRO:HB3	1:23:A:PRO:HA	9	0.7
(1,188)	1:26:A:PHE:HD1	1:26:A:PHE:HB3	5	0.7
(1,188)	1:26:A:PHE:HD2	1:26:A:PHE:HB3	5	0.7
(1,187)	1:21:A:PHE:HD1	1:21:A:PHE:HB2	9	0.7
(1,187)	1:21:A:PHE:HD2	1:21:A:PHE:HB2	9	0.7
(1,90)	1:7:A:ILE:H	1:8:A:VAL:H	9	0.7
(1,31)	1:34:A:ILE:HG12	1:34:A:ILE:H	5	0.7
(1,9)	1:33:A:ARG:HB2	1:33:A:ARG:H	2	0.7
(1,2)	1:9:A:GLY:HA3	1:9:A:GLY:H	1	0.7
(1,2)	1:9:A:GLY:HA3	1:9:A:GLY:H	2	0.7
(1,2)	1:9:A:GLY:HA3	1:9:A:GLY:H	3	0.7
(1,2)	1:9:A:GLY:HA3	1:9:A:GLY:H	4	0.7
(1,2)	1:9:A:GLY:HA3	1:9:A:GLY:H	5	0.7
(1,2)	1:9:A:GLY:HA3	1:9:A:GLY:H	6	0.7
(1,2)	1:9:A:GLY:HA3	1:9:A:GLY:H	7	0.7
(1,2)	1:9:A:GLY:HA3	1:9:A:GLY:H	8	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:9:A:GLY:HA3	1:9:A:GLY:H	9	0.7
(1,488)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	2	0.69
(1,488)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	2	0.69
(1,488)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	2	0.69
(1,488)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	3	0.69
(1,488)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	3	0.69
(1,488)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	3	0.69
(1,488)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	4	0.69
(1,488)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	4	0.69
(1,488)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	4	0.69
(1,488)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	6	0.69
(1,488)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	6	0.69
(1,488)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	6	0.69
(1,488)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	7	0.69
(1,488)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	7	0.69
(1,488)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	7	0.69
(1,488)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	9	0.69
(1,488)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	9	0.69
(1,488)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	9	0.69
(1,476)	1:5:A:LEU:HA	1:5:A:LEU:HD11	10	0.69
(1,476)	1:5:A:LEU:HA	1:5:A:LEU:HD12	10	0.69
(1,476)	1:5:A:LEU:HA	1:5:A:LEU:HD13	10	0.69
(1,453)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	5	0.69
(1,453)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	5	0.69
(1,453)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	5	0.69
(1,452)	1:15:A:ILE:HG21	1:15:A:ILE:HB	2	0.69
(1,452)	1:15:A:ILE:HG22	1:15:A:ILE:HB	2	0.69
(1,452)	1:15:A:ILE:HG23	1:15:A:ILE:HB	2	0.69
(1,452)	1:15:A:ILE:HG21	1:15:A:ILE:HB	3	0.69
(1,452)	1:15:A:ILE:HG22	1:15:A:ILE:HB	3	0.69
(1,452)	1:15:A:ILE:HG23	1:15:A:ILE:HB	3	0.69
(1,452)	1:15:A:ILE:HG21	1:15:A:ILE:HB	4	0.69
(1,452)	1:15:A:ILE:HG22	1:15:A:ILE:HB	4	0.69
(1,452)	1:15:A:ILE:HG23	1:15:A:ILE:HB	4	0.69
(1,452)	1:15:A:ILE:HG21	1:15:A:ILE:HB	5	0.69
(1,452)	1:15:A:ILE:HG22	1:15:A:ILE:HB	5	0.69
(1,452)	1:15:A:ILE:HG23	1:15:A:ILE:HB	5	0.69
(1,452)	1:15:A:ILE:HG21	1:15:A:ILE:HB	6	0.69
(1,452)	1:15:A:ILE:HG22	1:15:A:ILE:HB	6	0.69
(1,452)	1:15:A:ILE:HG23	1:15:A:ILE:HB	6	0.69
(1,452)	1:15:A:ILE:HG21	1:15:A:ILE:HB	8	0.69
(1,452)	1:15:A:ILE:HG22	1:15:A:ILE:HB	8	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:15:A:ILE:HG23	1:15:A:ILE:HB	8	0.69
(1,452)	1:15:A:ILE:HG21	1:15:A:ILE:HB	9	0.69
(1,452)	1:15:A:ILE:HG22	1:15:A:ILE:HB	9	0.69
(1,452)	1:15:A:ILE:HG23	1:15:A:ILE:HB	9	0.69
(1,450)	1:15:A:ILE:HG21	1:15:A:ILE:HA	1	0.69
(1,450)	1:15:A:ILE:HG22	1:15:A:ILE:HA	1	0.69
(1,450)	1:15:A:ILE:HG23	1:15:A:ILE:HA	1	0.69
(1,450)	1:15:A:ILE:HG21	1:15:A:ILE:HA	2	0.69
(1,450)	1:15:A:ILE:HG22	1:15:A:ILE:HA	2	0.69
(1,450)	1:15:A:ILE:HG23	1:15:A:ILE:HA	2	0.69
(1,450)	1:15:A:ILE:HG21	1:15:A:ILE:HA	4	0.69
(1,450)	1:15:A:ILE:HG22	1:15:A:ILE:HA	4	0.69
(1,450)	1:15:A:ILE:HG23	1:15:A:ILE:HA	4	0.69
(1,450)	1:15:A:ILE:HG21	1:15:A:ILE:HA	8	0.69
(1,450)	1:15:A:ILE:HG22	1:15:A:ILE:HA	8	0.69
(1,450)	1:15:A:ILE:HG23	1:15:A:ILE:HA	8	0.69
(1,450)	1:15:A:ILE:HG21	1:15:A:ILE:HA	10	0.69
(1,450)	1:15:A:ILE:HG22	1:15:A:ILE:HA	10	0.69
(1,450)	1:15:A:ILE:HG23	1:15:A:ILE:HA	10	0.69
(1,414)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	2	0.69
(1,414)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	2	0.69
(1,414)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	2	0.69
(1,414)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	3	0.69
(1,414)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	3	0.69
(1,414)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	3	0.69
(1,414)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	4	0.69
(1,414)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	4	0.69
(1,414)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	4	0.69
(1,414)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	6	0.69
(1,414)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	6	0.69
(1,414)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	6	0.69
(1,414)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	7	0.69
(1,414)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	7	0.69
(1,414)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	7	0.69
(1,414)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	9	0.69
(1,414)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	9	0.69
(1,414)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	9	0.69
(1,399)	1:27:A:ARG:HA	1:27:A:ARG:HG3	2	0.69
(1,314)	1:17:A:GLN:HA	1:17:A:GLN:HG3	10	0.69
(1,255)	1:7:A:ILE:HA	1:7:A:ILE:HG13	1	0.69
(1,255)	1:7:A:ILE:HA	1:7:A:ILE:HG13	3	0.69
(1,209)	1:23:A:PRO:HB3	1:23:A:PRO:HA	4	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:36:A:ARG:HA	1:36:A:ARG:HB3	5	0.69
(1,188)	1:26:A:PHE:HD1	1:26:A:PHE:HB3	1	0.69
(1,188)	1:26:A:PHE:HD2	1:26:A:PHE:HB3	1	0.69
(1,187)	1:21:A:PHE:HD1	1:21:A:PHE:HB2	6	0.69
(1,187)	1:21:A:PHE:HD2	1:21:A:PHE:HB2	6	0.69
(1,133)	1:14:A:ASP:HB3	1:15:A:ILE:H	2	0.69
(1,114)	1:19:A:TYR:HB2	1:20:A:PHE:H	9	0.69
(1,547)	1:5:A:LEU:HA	1:5:A:LEU:HB2	9	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD11	1	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD12	1	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD13	1	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD11	2	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD12	2	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD13	2	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD11	3	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD12	3	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD13	3	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD11	4	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD12	4	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD13	4	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD11	5	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD12	5	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD13	5	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD11	6	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD12	6	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD13	6	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD11	7	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD12	7	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD13	7	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD11	8	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD12	8	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD13	8	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD11	9	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD12	9	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD13	9	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD11	10	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD12	10	0.68
(1,496)	1:29:A:ILE:HG12	1:29:A:ILE:HD13	10	0.68
(1,488)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	1	0.68
(1,488)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	1	0.68
(1,488)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	1	0.68
(1,488)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	5	0.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,488)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	5	0.68
(1,488)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	5	0.68
(1,488)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	8	0.68
(1,488)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	8	0.68
(1,488)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	8	0.68
(1,488)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	10	0.68
(1,488)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	10	0.68
(1,488)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	10	0.68
(1,487)	1:25:A:LEU:HD21	1:25:A:LEU:HA	4	0.68
(1,487)	1:25:A:LEU:HD22	1:25:A:LEU:HA	4	0.68
(1,487)	1:25:A:LEU:HD23	1:25:A:LEU:HA	4	0.68
(1,452)	1:15:A:ILE:HG21	1:15:A:ILE:HB	1	0.68
(1,452)	1:15:A:ILE:HG22	1:15:A:ILE:HB	1	0.68
(1,452)	1:15:A:ILE:HG23	1:15:A:ILE:HB	1	0.68
(1,452)	1:15:A:ILE:HG21	1:15:A:ILE:HB	7	0.68
(1,452)	1:15:A:ILE:HG22	1:15:A:ILE:HB	7	0.68
(1,452)	1:15:A:ILE:HG23	1:15:A:ILE:HB	7	0.68
(1,452)	1:15:A:ILE:HG21	1:15:A:ILE:HB	10	0.68
(1,452)	1:15:A:ILE:HG22	1:15:A:ILE:HB	10	0.68
(1,452)	1:15:A:ILE:HG23	1:15:A:ILE:HB	10	0.68
(1,450)	1:15:A:ILE:HG21	1:15:A:ILE:HA	5	0.68
(1,450)	1:15:A:ILE:HG22	1:15:A:ILE:HA	5	0.68
(1,450)	1:15:A:ILE:HG23	1:15:A:ILE:HA	5	0.68
(1,414)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	1	0.68
(1,414)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	1	0.68
(1,414)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	1	0.68
(1,414)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	5	0.68
(1,414)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	5	0.68
(1,414)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	5	0.68
(1,414)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	8	0.68
(1,414)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	8	0.68
(1,414)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	8	0.68
(1,414)	1:37:A:ILE:HD11	1:37:A:ILE:HG12	10	0.68
(1,414)	1:37:A:ILE:HD12	1:37:A:ILE:HG12	10	0.68
(1,414)	1:37:A:ILE:HD13	1:37:A:ILE:HG12	10	0.68
(1,399)	1:27:A:ARG:HA	1:27:A:ARG:HG3	6	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD11	1	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD12	1	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD13	1	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD11	2	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD12	2	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD13	2	0.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD11	3	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD12	3	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD13	3	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD11	4	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD12	4	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD13	4	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD11	5	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD12	5	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD13	5	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD11	6	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD12	6	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD13	6	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD11	7	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD12	7	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD13	7	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD11	8	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD12	8	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD13	8	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD11	9	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD12	9	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD13	9	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD11	10	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD12	10	0.68
(1,375)	1:15:A:ILE:HG13	1:15:A:ILE:HD13	10	0.68
(1,358)	1:34:A:ILE:HG13	1:34:A:ILE:HB	6	0.68
(1,231)	1:24:A:THR:HA	1:24:A:THR:HB	6	0.68
(1,187)	1:21:A:PHE:HD1	1:21:A:PHE:HB2	1	0.68
(1,187)	1:21:A:PHE:HD2	1:21:A:PHE:HB2	1	0.68
(1,155)	1:4:A:ILE:H	1:5:A:LEU:H	10	0.68
(1,133)	1:14:A:ASP:HB3	1:15:A:ILE:H	3	0.68
(1,114)	1:19:A:TYR:HB2	1:20:A:PHE:H	3	0.68
(1,91)	1:20:A:PHE:H	1:19:A:TYR:H	9	0.68
(1,564)	1:28:A:VAL:HG21	1:25:A:LEU:HA	5	0.67
(1,564)	1:28:A:VAL:HG22	1:25:A:LEU:HA	5	0.67
(1,564)	1:28:A:VAL:HG23	1:25:A:LEU:HA	5	0.67
(1,487)	1:25:A:LEU:HD21	1:25:A:LEU:HA	2	0.67
(1,487)	1:25:A:LEU:HD22	1:25:A:LEU:HA	2	0.67
(1,487)	1:25:A:LEU:HD23	1:25:A:LEU:HA	2	0.67
(1,453)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	7	0.67
(1,453)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	7	0.67
(1,453)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	7	0.67
(1,450)	1:15:A:ILE:HG21	1:15:A:ILE:HA	3	0.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:15:A:ILE:HG22	1:15:A:ILE:HA	3	0.67
(1,450)	1:15:A:ILE:HG23	1:15:A:ILE:HA	3	0.67
(1,450)	1:15:A:ILE:HG21	1:15:A:ILE:HA	9	0.67
(1,450)	1:15:A:ILE:HG22	1:15:A:ILE:HA	9	0.67
(1,450)	1:15:A:ILE:HG23	1:15:A:ILE:HA	9	0.67
(1,442)	1:16:A:ILE:HG12	1:16:A:ILE:HA	7	0.67
(1,438)	1:29:A:ILE:HG12	1:29:A:ILE:HA	5	0.67
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD11	9	0.67
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD12	9	0.67
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD13	9	0.67
(1,301)	1:33:A:ARG:HD2	1:33:A:ARG:HA	8	0.67
(1,250)	1:25:A:LEU:HB3	1:25:A:LEU:HA	3	0.67
(1,176)	1:33:A:ARG:HA	1:33:A:ARG:HD2	8	0.67
(1,155)	1:4:A:ILE:H	1:5:A:LEU:H	8	0.67
(1,83)	1:37:A:ILE:HG13	1:37:A:ILE:H	2	0.67
(1,77)	1:5:A:LEU:H	1:5:A:LEU:HB2	1	0.67
(1,564)	1:28:A:VAL:HG21	1:25:A:LEU:HA	4	0.66
(1,564)	1:28:A:VAL:HG22	1:25:A:LEU:HA	4	0.66
(1,564)	1:28:A:VAL:HG23	1:25:A:LEU:HA	4	0.66
(1,453)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	4	0.66
(1,453)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	4	0.66
(1,453)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	4	0.66
(1,442)	1:16:A:ILE:HG12	1:16:A:ILE:HA	2	0.66
(1,430)	1:34:A:ILE:HG12	1:34:A:ILE:HG13	2	0.66
(1,430)	1:34:A:ILE:HG12	1:34:A:ILE:HG13	3	0.66
(1,430)	1:34:A:ILE:HG12	1:34:A:ILE:HG13	4	0.66
(1,430)	1:34:A:ILE:HG12	1:34:A:ILE:HG13	5	0.66
(1,430)	1:34:A:ILE:HG12	1:34:A:ILE:HG13	7	0.66
(1,430)	1:34:A:ILE:HG12	1:34:A:ILE:HG13	8	0.66
(1,430)	1:34:A:ILE:HG12	1:34:A:ILE:HG13	10	0.66
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD11	10	0.66
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD12	10	0.66
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD13	10	0.66
(1,370)	1:36:A:ARG:HB2	1:36:A:ARG:HB3	7	0.66
(1,312)	1:14:A:ASP:HB2	1:14:A:ASP:HA	1	0.66
(1,312)	1:14:A:ASP:HB2	1:14:A:ASP:HA	3	0.66
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG21	9	0.66
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG22	9	0.66
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG23	9	0.66
(1,250)	1:25:A:LEU:HB3	1:25:A:LEU:HA	10	0.66
(1,223)	1:15:A:ILE:HB	1:12:A:LEU:HA	5	0.66
(1,195)	1:20:A:PHE:HD1	1:20:A:PHE:HB2	6	0.66

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,195)	1:20:A:PHE:HD2	1:20:A:PHE:HB2	6	0.66
(1,157)	1:4:A:ILE:H	1:3:A:VAL:HB	1	0.66
(1,155)	1:4:A:ILE:H	1:5:A:LEU:H	7	0.66
(1,115)	1:35:A:GLY:H	1:34:A:ILE:H	4	0.66
(1,114)	1:19:A:TYR:HB2	1:20:A:PHE:H	4	0.66
(1,111)	1:32:A:ALA:HB1	1:33:A:ARG:H	3	0.66
(1,111)	1:32:A:ALA:HB2	1:33:A:ARG:H	3	0.66
(1,111)	1:32:A:ALA:HB3	1:33:A:ARG:H	3	0.66
(1,31)	1:34:A:ILE:HG12	1:34:A:ILE:H	2	0.66
(1,9)	1:33:A:ARG:HB2	1:33:A:ARG:H	3	0.66
(1,560)	1:27:A:ARG:HG3	1:27:A:ARG:HG2	1	0.65
(1,560)	1:27:A:ARG:HG3	1:27:A:ARG:HG2	10	0.65
(1,539)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	1	0.65
(1,539)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	2	0.65
(1,539)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	3	0.65
(1,539)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	4	0.65
(1,539)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	5	0.65
(1,539)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	6	0.65
(1,539)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	7	0.65
(1,539)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	8	0.65
(1,539)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	9	0.65
(1,539)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	10	0.65
(1,514)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	5	0.65
(1,514)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	7	0.65
(1,512)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	1	0.65
(1,512)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	3	0.65
(1,512)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	5	0.65
(1,512)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	7	0.65
(1,512)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	9	0.65
(1,512)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	10	0.65
(1,501)	1:16:A:ILE:HG21	1:16:A:ILE:HG12	5	0.65
(1,501)	1:16:A:ILE:HG22	1:16:A:ILE:HG12	5	0.65
(1,501)	1:16:A:ILE:HG23	1:16:A:ILE:HG12	5	0.65
(1,501)	1:16:A:ILE:HG21	1:16:A:ILE:HG12	8	0.65
(1,501)	1:16:A:ILE:HG22	1:16:A:ILE:HG12	8	0.65
(1,501)	1:16:A:ILE:HG23	1:16:A:ILE:HG12	8	0.65
(1,450)	1:15:A:ILE:HG21	1:15:A:ILE:HA	7	0.65
(1,450)	1:15:A:ILE:HG22	1:15:A:ILE:HA	7	0.65
(1,450)	1:15:A:ILE:HG23	1:15:A:ILE:HA	7	0.65
(1,430)	1:34:A:ILE:HG12	1:34:A:ILE:HG13	1	0.65
(1,430)	1:34:A:ILE:HG12	1:34:A:ILE:HG13	6	0.65
(1,430)	1:34:A:ILE:HG12	1:34:A:ILE:HG13	9	0.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:29:A:ILE:HG13	1:26:A:PHE:HA	3	0.65
(1,370)	1:36:A:ARG:HB2	1:36:A:ARG:HB3	1	0.65
(1,370)	1:36:A:ARG:HB2	1:36:A:ARG:HB3	2	0.65
(1,370)	1:36:A:ARG:HB2	1:36:A:ARG:HB3	4	0.65
(1,370)	1:36:A:ARG:HB2	1:36:A:ARG:HB3	5	0.65
(1,370)	1:36:A:ARG:HB2	1:36:A:ARG:HB3	6	0.65
(1,370)	1:36:A:ARG:HB2	1:36:A:ARG:HB3	9	0.65
(1,370)	1:36:A:ARG:HB2	1:36:A:ARG:HB3	10	0.65
(1,361)	1:29:A:ILE:HB	1:26:A:PHE:HA	2	0.65
(1,312)	1:14:A:ASP:HB2	1:14:A:ASP:HA	7	0.65
(1,255)	1:7:A:ILE:HA	1:7:A:ILE:HG13	6	0.65
(1,205)	1:36:A:ARG:HD2	1:36:A:ARG:HA	2	0.65
(1,86)	1:7:A:ILE:H	1:8:A:VAL:H	8	0.65
(1,82)	1:37:A:ILE:HG12	1:37:A:ILE:H	5	0.65
(1,24)	1:20:A:PHE:H	1:21:A:PHE:H	5	0.65
(1,560)	1:27:A:ARG:HG3	1:27:A:ARG:HG2	5	0.64
(1,514)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	1	0.64
(1,514)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	2	0.64
(1,514)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	3	0.64
(1,514)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	4	0.64
(1,514)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	6	0.64
(1,514)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	8	0.64
(1,514)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	9	0.64
(1,514)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	10	0.64
(1,512)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	2	0.64
(1,512)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	4	0.64
(1,512)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	6	0.64
(1,512)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	8	0.64
(1,501)	1:16:A:ILE:HG21	1:16:A:ILE:HG12	4	0.64
(1,501)	1:16:A:ILE:HG22	1:16:A:ILE:HG12	4	0.64
(1,501)	1:16:A:ILE:HG23	1:16:A:ILE:HG12	4	0.64
(1,501)	1:16:A:ILE:HG21	1:16:A:ILE:HG12	6	0.64
(1,501)	1:16:A:ILE:HG22	1:16:A:ILE:HG12	6	0.64
(1,501)	1:16:A:ILE:HG23	1:16:A:ILE:HG12	6	0.64
(1,501)	1:16:A:ILE:HG21	1:16:A:ILE:HG12	9	0.64
(1,501)	1:16:A:ILE:HG22	1:16:A:ILE:HG12	9	0.64
(1,501)	1:16:A:ILE:HG23	1:16:A:ILE:HG12	9	0.64
(1,501)	1:16:A:ILE:HG21	1:16:A:ILE:HG12	10	0.64
(1,501)	1:16:A:ILE:HG22	1:16:A:ILE:HG12	10	0.64
(1,501)	1:16:A:ILE:HG23	1:16:A:ILE:HG12	10	0.64
(1,487)	1:25:A:LEU:HD21	1:25:A:LEU:HA	6	0.64
(1,487)	1:25:A:LEU:HD22	1:25:A:LEU:HA	6	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:25:A:LEU:HD23	1:25:A:LEU:HA	6	0.64
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD11	3	0.64
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD12	3	0.64
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD13	3	0.64
(1,374)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	6	0.64
(1,374)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	6	0.64
(1,374)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	6	0.64
(1,370)	1:36:A:ARG:HB2	1:36:A:ARG:HB3	3	0.64
(1,370)	1:36:A:ARG:HB2	1:36:A:ARG:HB3	8	0.64
(1,352)	1:16:A:ILE:HB	1:16:A:ILE:HG13	1	0.64
(1,352)	1:16:A:ILE:HB	1:16:A:ILE:HG13	7	0.64
(1,313)	1:14:A:ASP:HB2	1:14:A:ASP:HB3	1	0.64
(1,313)	1:14:A:ASP:HB2	1:14:A:ASP:HB3	2	0.64
(1,313)	1:14:A:ASP:HB2	1:14:A:ASP:HB3	3	0.64
(1,313)	1:14:A:ASP:HB2	1:14:A:ASP:HB3	4	0.64
(1,313)	1:14:A:ASP:HB2	1:14:A:ASP:HB3	5	0.64
(1,313)	1:14:A:ASP:HB2	1:14:A:ASP:HB3	6	0.64
(1,313)	1:14:A:ASP:HB2	1:14:A:ASP:HB3	7	0.64
(1,313)	1:14:A:ASP:HB2	1:14:A:ASP:HB3	8	0.64
(1,313)	1:14:A:ASP:HB2	1:14:A:ASP:HB3	9	0.64
(1,313)	1:14:A:ASP:HB2	1:14:A:ASP:HB3	10	0.64
(1,312)	1:14:A:ASP:HB2	1:14:A:ASP:HA	2	0.64
(1,312)	1:14:A:ASP:HB2	1:14:A:ASP:HA	10	0.64
(1,309)	1:14:A:ASP:HB3	1:14:A:ASP:HB2	1	0.64
(1,309)	1:14:A:ASP:HB3	1:14:A:ASP:HB2	2	0.64
(1,309)	1:14:A:ASP:HB3	1:14:A:ASP:HB2	3	0.64
(1,309)	1:14:A:ASP:HB3	1:14:A:ASP:HB2	4	0.64
(1,309)	1:14:A:ASP:HB3	1:14:A:ASP:HB2	5	0.64
(1,309)	1:14:A:ASP:HB3	1:14:A:ASP:HB2	6	0.64
(1,309)	1:14:A:ASP:HB3	1:14:A:ASP:HB2	7	0.64
(1,309)	1:14:A:ASP:HB3	1:14:A:ASP:HB2	8	0.64
(1,309)	1:14:A:ASP:HB3	1:14:A:ASP:HB2	9	0.64
(1,309)	1:14:A:ASP:HB3	1:14:A:ASP:HB2	10	0.64
(1,274)	1:16:A:ILE:HA	1:20:A:PHE:HB2	10	0.64
(1,250)	1:25:A:LEU:HB3	1:25:A:LEU:HA	1	0.64
(1,250)	1:25:A:LEU:HB3	1:25:A:LEU:HA	7	0.64
(1,250)	1:25:A:LEU:HB3	1:25:A:LEU:HA	9	0.64
(1,245)	1:18:A:LYS:HA	1:18:A:LYS:HB2	1	0.64
(1,223)	1:15:A:ILE:HB	1:12:A:LEU:HA	4	0.64
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG21	8	0.64
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG22	8	0.64
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG23	8	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG21	8	0.64
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG22	8	0.64
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG23	8	0.64
(1,170)	1:14:A:ASP:HA	1:17:A:GLN:HB3	1	0.64
(1,156)	1:9:A:GLY:H	1:8:A:VAL:H	9	0.64
(1,91)	1:20:A:PHE:H	1:19:A:TYR:H	3	0.64
(1,90)	1:7:A:ILE:H	1:8:A:VAL:H	5	0.64
(1,36)	1:28:A:VAL:HG21	1:28:A:VAL:H	2	0.64
(1,36)	1:28:A:VAL:HG22	1:28:A:VAL:H	2	0.64
(1,36)	1:28:A:VAL:HG23	1:28:A:VAL:H	2	0.64
(1,560)	1:27:A:ARG:HG3	1:27:A:ARG:HG2	3	0.63
(1,560)	1:27:A:ARG:HG3	1:27:A:ARG:HG2	4	0.63
(1,560)	1:27:A:ARG:HG3	1:27:A:ARG:HG2	6	0.63
(1,560)	1:27:A:ARG:HG3	1:27:A:ARG:HG2	7	0.63
(1,560)	1:27:A:ARG:HG3	1:27:A:ARG:HG2	8	0.63
(1,560)	1:27:A:ARG:HG3	1:27:A:ARG:HG2	9	0.63
(1,463)	1:4:A:ILE:HD11	1:4:A:ILE:HA	1	0.63
(1,463)	1:4:A:ILE:HD12	1:4:A:ILE:HA	1	0.63
(1,463)	1:4:A:ILE:HD13	1:4:A:ILE:HA	1	0.63
(1,442)	1:16:A:ILE:HG12	1:16:A:ILE:HA	1	0.63
(1,442)	1:16:A:ILE:HG12	1:16:A:ILE:HA	4	0.63
(1,442)	1:16:A:ILE:HG12	1:16:A:ILE:HA	9	0.63
(1,381)	1:37:A:ILE:HB	1:37:A:ILE:HG12	3	0.63
(1,352)	1:16:A:ILE:HB	1:16:A:ILE:HG13	3	0.63
(1,352)	1:16:A:ILE:HB	1:16:A:ILE:HG13	9	0.63
(1,331)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	8	0.63
(1,331)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	10	0.63
(1,312)	1:14:A:ASP:HB2	1:14:A:ASP:HA	6	0.63
(1,278)	1:16:A:ILE:HA	1:25:A:LEU:HD21	6	0.63
(1,278)	1:16:A:ILE:HA	1:25:A:LEU:HD22	6	0.63
(1,278)	1:16:A:ILE:HA	1:25:A:LEU:HD23	6	0.63
(1,250)	1:25:A:LEU:HB3	1:25:A:LEU:HA	5	0.63
(1,223)	1:15:A:ILE:HB	1:12:A:LEU:HA	7	0.63
(1,223)	1:15:A:ILE:HB	1:12:A:LEU:HA	9	0.63
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG21	5	0.63
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG22	5	0.63
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG23	5	0.63
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG21	5	0.63
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG22	5	0.63
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG23	5	0.63
(1,156)	1:9:A:GLY:H	1:8:A:VAL:H	6	0.63
(1,155)	1:4:A:ILE:H	1:5:A:LEU:H	3	0.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:19:A:TYR:HB2	1:20:A:PHE:H	6	0.63
(1,36)	1:28:A:VAL:HG21	1:28:A:VAL:H	10	0.63
(1,36)	1:28:A:VAL:HG22	1:28:A:VAL:H	10	0.63
(1,36)	1:28:A:VAL:HG23	1:28:A:VAL:H	10	0.63
(1,9)	1:33:A:ARG:HB2	1:33:A:ARG:H	5	0.63
(1,560)	1:27:A:ARG:HG3	1:27:A:ARG:HG2	2	0.62
(1,501)	1:16:A:ILE:HG21	1:16:A:ILE:HG12	1	0.62
(1,501)	1:16:A:ILE:HG22	1:16:A:ILE:HG12	1	0.62
(1,501)	1:16:A:ILE:HG23	1:16:A:ILE:HG12	1	0.62
(1,501)	1:16:A:ILE:HG21	1:16:A:ILE:HG12	2	0.62
(1,501)	1:16:A:ILE:HG22	1:16:A:ILE:HG12	2	0.62
(1,501)	1:16:A:ILE:HG23	1:16:A:ILE:HG12	2	0.62
(1,501)	1:16:A:ILE:HG21	1:16:A:ILE:HG12	3	0.62
(1,501)	1:16:A:ILE:HG22	1:16:A:ILE:HG12	3	0.62
(1,501)	1:16:A:ILE:HG23	1:16:A:ILE:HG12	3	0.62
(1,463)	1:4:A:ILE:HD11	1:4:A:ILE:HA	2	0.62
(1,463)	1:4:A:ILE:HD12	1:4:A:ILE:HA	2	0.62
(1,463)	1:4:A:ILE:HD13	1:4:A:ILE:HA	2	0.62
(1,460)	1:16:A:ILE:HG21	1:16:A:ILE:HA	5	0.62
(1,460)	1:16:A:ILE:HG22	1:16:A:ILE:HA	5	0.62
(1,460)	1:16:A:ILE:HG23	1:16:A:ILE:HA	5	0.62
(1,390)	1:36:A:ARG:HB3	1:36:A:ARG:HG2	3	0.62
(1,390)	1:36:A:ARG:HB3	1:36:A:ARG:HG2	8	0.62
(1,381)	1:37:A:ILE:HB	1:37:A:ILE:HG12	10	0.62
(1,374)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	9	0.62
(1,374)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	9	0.62
(1,374)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	9	0.62
(1,368)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	10	0.62
(1,358)	1:34:A:ILE:HG13	1:34:A:ILE:HB	10	0.62
(1,331)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	1	0.62
(1,331)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	5	0.62
(1,331)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	7	0.62
(1,323)	1:8:A:VAL:HB	1:8:A:VAL:HA	9	0.62
(1,312)	1:14:A:ASP:HB2	1:14:A:ASP:HA	5	0.62
(1,307)	1:14:A:ASP:HB3	1:11:A:VAL:HA	1	0.62
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG21	10	0.62
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG22	10	0.62
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG23	10	0.62
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG21	10	0.62
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG22	10	0.62
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG23	10	0.62
(1,187)	1:21:A:PHE:HD1	1:21:A:PHE:HB2	4	0.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:21:A:PHE:HD2	1:21:A:PHE:HB2	4	0.62
(1,155)	1:4:A:ILE:H	1:5:A:LEU:H	1	0.62
(1,133)	1:14:A:ASP:HB3	1:15:A:ILE:H	4	0.62
(1,92)	1:20:A:PHE:H	1:21:A:PHE:H	7	0.62
(1,36)	1:28:A:VAL:HG21	1:28:A:VAL:H	3	0.62
(1,36)	1:28:A:VAL:HG22	1:28:A:VAL:H	3	0.62
(1,36)	1:28:A:VAL:HG23	1:28:A:VAL:H	3	0.62
(1,463)	1:4:A:ILE:HD11	1:4:A:ILE:HA	9	0.61
(1,463)	1:4:A:ILE:HD12	1:4:A:ILE:HA	9	0.61
(1,463)	1:4:A:ILE:HD13	1:4:A:ILE:HA	9	0.61
(1,442)	1:16:A:ILE:HG12	1:16:A:ILE:HA	3	0.61
(1,442)	1:16:A:ILE:HG12	1:16:A:ILE:HA	6	0.61
(1,442)	1:16:A:ILE:HG12	1:16:A:ILE:HA	8	0.61
(1,381)	1:37:A:ILE:HB	1:37:A:ILE:HG12	9	0.61
(1,374)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	1	0.61
(1,374)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	1	0.61
(1,374)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	1	0.61
(1,374)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	2	0.61
(1,374)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	2	0.61
(1,374)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	2	0.61
(1,374)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	3	0.61
(1,374)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	3	0.61
(1,374)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	3	0.61
(1,352)	1:16:A:ILE:HB	1:16:A:ILE:HG13	2	0.61
(1,352)	1:16:A:ILE:HB	1:16:A:ILE:HG13	10	0.61
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD11	8	0.61
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD12	8	0.61
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD13	8	0.61
(1,331)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	2	0.61
(1,331)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	3	0.61
(1,331)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	4	0.61
(1,331)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	6	0.61
(1,200)	1:21:A:PHE:HB2	1:21:A:PHE:HA	7	0.61
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG21	4	0.61
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG22	4	0.61
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG23	4	0.61
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG21	4	0.61
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG22	4	0.61
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG23	4	0.61
(1,156)	1:9:A:GLY:H	1:8:A:VAL:H	10	0.61
(1,155)	1:4:A:ILE:H	1:5:A:LEU:H	5	0.61
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG21	1	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG22	1	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG23	1	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG21	2	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG22	2	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG23	2	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG21	3	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG22	3	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG23	3	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG21	8	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG22	8	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG23	8	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG21	9	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG22	9	0.6
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG23	9	0.6
(1,463)	1:4:A:ILE:HD11	1:4:A:ILE:HA	5	0.6
(1,463)	1:4:A:ILE:HD12	1:4:A:ILE:HA	5	0.6
(1,463)	1:4:A:ILE:HD13	1:4:A:ILE:HA	5	0.6
(1,463)	1:4:A:ILE:HD11	1:4:A:ILE:HA	6	0.6
(1,463)	1:4:A:ILE:HD12	1:4:A:ILE:HA	6	0.6
(1,463)	1:4:A:ILE:HD13	1:4:A:ILE:HA	6	0.6
(1,442)	1:16:A:ILE:HG12	1:16:A:ILE:HA	10	0.6
(1,390)	1:36:A:ARG:HB3	1:36:A:ARG:HG2	7	0.6
(1,374)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	8	0.6
(1,374)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	8	0.6
(1,374)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	8	0.6
(1,374)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	10	0.6
(1,374)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	10	0.6
(1,374)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	10	0.6
(1,358)	1:34:A:ILE:HG13	1:34:A:ILE:HB	3	0.6
(1,358)	1:34:A:ILE:HG13	1:34:A:ILE:HB	7	0.6
(1,352)	1:16:A:ILE:HB	1:16:A:ILE:HG13	4	0.6
(1,352)	1:16:A:ILE:HB	1:16:A:ILE:HG13	6	0.6
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD11	6	0.6
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD12	6	0.6
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD13	6	0.6
(1,331)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	9	0.6
(1,312)	1:14:A:ASP:HB2	1:14:A:ASP:HA	8	0.6
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG21	4	0.6
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG22	4	0.6
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG23	4	0.6
(1,299)	1:36:A:ARG:HD2	1:34:A:ILE:HG21	1	0.6
(1,299)	1:36:A:ARG:HD2	1:34:A:ILE:HG22	1	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:36:A:ARG:HD2	1:34:A:ILE:HG23	1	0.6
(1,223)	1:15:A:ILE:HB	1:12:A:LEU:HA	1	0.6
(1,223)	1:15:A:ILE:HB	1:12:A:LEU:HA	10	0.6
(1,200)	1:21:A:PHE:HB2	1:21:A:PHE:HA	5	0.6
(1,195)	1:20:A:PHE:HD1	1:20:A:PHE:HB2	3	0.6
(1,195)	1:20:A:PHE:HD2	1:20:A:PHE:HB2	3	0.6
(1,156)	1:9:A:GLY:H	1:8:A:VAL:H	4	0.6
(1,156)	1:9:A:GLY:H	1:8:A:VAL:H	7	0.6
(1,554)	1:7:A:ILE:HA	1:7:A:ILE:HG12	2	0.59
(1,552)	1:7:A:ILE:HB	1:7:A:ILE:HG12	5	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	1	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	1	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	1	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	2	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	2	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	2	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	3	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	3	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	3	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	4	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	4	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	4	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	5	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	5	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	5	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	6	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	6	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	6	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	8	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	8	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	8	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	9	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	9	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	9	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	10	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	10	0.59
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	10	0.59
(1,501)	1:16:A:ILE:HG21	1:16:A:ILE:HG12	7	0.59
(1,501)	1:16:A:ILE:HG22	1:16:A:ILE:HG12	7	0.59
(1,501)	1:16:A:ILE:HG23	1:16:A:ILE:HG12	7	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG21	4	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG22	4	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG23	4	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG21	5	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG22	5	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG23	5	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG21	6	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG22	6	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG23	6	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG21	7	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG22	7	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG23	7	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG21	10	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG22	10	0.59
(1,481)	1:29:A:ILE:HB	1:29:A:ILE:HG23	10	0.59
(1,460)	1:16:A:ILE:HG21	1:16:A:ILE:HA	10	0.59
(1,460)	1:16:A:ILE:HG22	1:16:A:ILE:HA	10	0.59
(1,460)	1:16:A:ILE:HG23	1:16:A:ILE:HA	10	0.59
(1,429)	1:34:A:ILE:HG12	1:34:A:ILE:HB	4	0.59
(1,429)	1:34:A:ILE:HG12	1:34:A:ILE:HB	8	0.59
(1,429)	1:34:A:ILE:HG12	1:34:A:ILE:HB	9	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	1	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	1	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	1	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	2	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	2	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	2	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	3	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	3	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	3	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	4	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	4	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	4	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	6	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	6	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	6	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	8	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	8	0.59
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	8	0.59
(1,374)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	5	0.59
(1,374)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	5	0.59
(1,374)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	5	0.59
(1,358)	1:34:A:ILE:HG13	1:34:A:ILE:HB	5	0.59
(1,352)	1:16:A:ILE:HB	1:16:A:ILE:HG13	5	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:16:A:ILE:HB	1:16:A:ILE:HG13	8	0.59
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD11	4	0.59
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD12	4	0.59
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD13	4	0.59
(1,274)	1:16:A:ILE:HA	1:20:A:PHE:HB2	3	0.59
(1,252)	1:17:A:GLN:HA	1:17:A:GLN:HG3	10	0.59
(1,225)	1:34:A:ILE:HG12	1:31:A:LEU:HA	10	0.59
(1,200)	1:21:A:PHE:HB2	1:21:A:PHE:HA	2	0.59
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG21	7	0.59
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG22	7	0.59
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG23	7	0.59
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG21	7	0.59
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG22	7	0.59
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG23	7	0.59
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG21	2	0.59
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG22	2	0.59
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG23	2	0.59
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG21	2	0.59
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG22	2	0.59
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG23	2	0.59
(1,187)	1:21:A:PHE:HD1	1:21:A:PHE:HB2	2	0.59
(1,187)	1:21:A:PHE:HD2	1:21:A:PHE:HB2	2	0.59
(1,186)	1:26:A:PHE:HD1	1:26:A:PHE:HA	8	0.59
(1,186)	1:26:A:PHE:HD2	1:26:A:PHE:HA	8	0.59
(1,180)	1:23:A:PRO:HD3	1:24:A:THR:HB	6	0.59
(1,156)	1:9:A:GLY:H	1:8:A:VAL:H	8	0.59
(1,148)	1:18:A:LYS:H	1:17:A:GLN:HG3	6	0.59
(1,114)	1:19:A:TYR:HB2	1:20:A:PHE:H	2	0.59
(1,108)	1:20:A:PHE:H	1:19:A:TYR:H	8	0.59
(1,90)	1:7:A:ILE:H	1:8:A:VAL:H	7	0.59
(1,36)	1:28:A:VAL:HG21	1:28:A:VAL:H	6	0.59
(1,36)	1:28:A:VAL:HG22	1:28:A:VAL:H	6	0.59
(1,36)	1:28:A:VAL:HG23	1:28:A:VAL:H	6	0.59
(1,552)	1:7:A:ILE:HB	1:7:A:ILE:HG12	7	0.58
(1,530)	1:27:A:ARG:HB2	1:28:A:VAL:HG21	5	0.58
(1,530)	1:27:A:ARG:HB2	1:28:A:VAL:HG22	5	0.58
(1,530)	1:27:A:ARG:HB2	1:28:A:VAL:HG23	5	0.58
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD11	7	0.58
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD12	7	0.58
(1,503)	1:16:A:ILE:HG12	1:16:A:ILE:HD13	7	0.58
(1,460)	1:16:A:ILE:HG21	1:16:A:ILE:HA	3	0.58
(1,460)	1:16:A:ILE:HG22	1:16:A:ILE:HA	3	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:16:A:ILE:HG23	1:16:A:ILE:HA	3	0.58
(1,429)	1:34:A:ILE:HG12	1:34:A:ILE:HB	1	0.58
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	5	0.58
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	5	0.58
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	5	0.58
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	7	0.58
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	7	0.58
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	7	0.58
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	9	0.58
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	9	0.58
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	9	0.58
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD11	10	0.58
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD12	10	0.58
(1,425)	1:15:A:ILE:HG12	1:15:A:ILE:HD13	10	0.58
(1,409)	1:34:A:ILE:HG13	1:34:A:ILE:HB	6	0.58
(1,385)	1:36:A:ARG:HB3	1:36:A:ARG:HA	1	0.58
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD11	4	0.58
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD12	4	0.58
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD13	4	0.58
(1,368)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	5	0.58
(1,358)	1:34:A:ILE:HG13	1:34:A:ILE:HB	2	0.58
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD11	5	0.58
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD12	5	0.58
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD13	5	0.58
(1,344)	1:16:A:ILE:HB	1:16:A:ILE:HG12	2	0.58
(1,344)	1:16:A:ILE:HB	1:16:A:ILE:HG12	3	0.58
(1,344)	1:16:A:ILE:HB	1:16:A:ILE:HG12	4	0.58
(1,344)	1:16:A:ILE:HB	1:16:A:ILE:HG12	5	0.58
(1,344)	1:16:A:ILE:HB	1:16:A:ILE:HG12	6	0.58
(1,344)	1:16:A:ILE:HB	1:16:A:ILE:HG12	8	0.58
(1,344)	1:16:A:ILE:HB	1:16:A:ILE:HG12	9	0.58
(1,307)	1:14:A:ASP:HB3	1:11:A:VAL:HA	7	0.58
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD11	5	0.58
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD12	5	0.58
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD13	5	0.58
(1,200)	1:21:A:PHE:HB2	1:21:A:PHE:HA	4	0.58
(1,195)	1:20:A:PHE:HD1	1:20:A:PHE:HB2	2	0.58
(1,195)	1:20:A:PHE:HD2	1:20:A:PHE:HB2	2	0.58
(1,195)	1:20:A:PHE:HD1	1:20:A:PHE:HB2	4	0.58
(1,195)	1:20:A:PHE:HD2	1:20:A:PHE:HB2	4	0.58
(1,180)	1:23:A:PRO:HD3	1:24:A:THR:HB	4	0.58
(1,175)	1:4:A:ILE:HB	1:4:A:ILE:HA	10	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:9:A:GLY:H	1:8:A:VAL:H	2	0.58
(1,31)	1:34:A:ILE:HG12	1:34:A:ILE:H	7	0.58
(1,460)	1:16:A:ILE:HG21	1:16:A:ILE:HA	1	0.57
(1,460)	1:16:A:ILE:HG22	1:16:A:ILE:HA	1	0.57
(1,460)	1:16:A:ILE:HG23	1:16:A:ILE:HA	1	0.57
(1,442)	1:16:A:ILE:HG12	1:16:A:ILE:HA	5	0.57
(1,393)	1:25:A:LEU:HB3	1:25:A:LEU:HA	3	0.57
(1,374)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	7	0.57
(1,374)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	7	0.57
(1,374)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	7	0.57
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD11	2	0.57
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD12	2	0.57
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD13	2	0.57
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD11	10	0.57
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD12	10	0.57
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD13	10	0.57
(1,344)	1:16:A:ILE:HB	1:16:A:ILE:HG12	1	0.57
(1,344)	1:16:A:ILE:HB	1:16:A:ILE:HG12	7	0.57
(1,344)	1:16:A:ILE:HB	1:16:A:ILE:HG12	10	0.57
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG21	7	0.57
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG22	7	0.57
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG23	7	0.57
(1,223)	1:15:A:ILE:HB	1:12:A:LEU:HA	6	0.57
(1,210)	1:23:A:PRO:HG3	1:23:A:PRO:HA	4	0.57
(1,210)	1:23:A:PRO:HG3	1:23:A:PRO:HA	9	0.57
(1,180)	1:23:A:PRO:HD3	1:24:A:THR:HB	2	0.57
(1,175)	1:4:A:ILE:HB	1:4:A:ILE:HA	4	0.57
(1,175)	1:4:A:ILE:HB	1:4:A:ILE:HA	8	0.57
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD11	5	0.57
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD12	5	0.57
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD13	5	0.57
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD11	5	0.57
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD12	5	0.57
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD13	5	0.57
(1,156)	1:9:A:GLY:H	1:8:A:VAL:H	5	0.57
(1,155)	1:4:A:ILE:H	1:5:A:LEU:H	6	0.57
(1,108)	1:20:A:PHE:H	1:19:A:TYR:H	1	0.57
(1,108)	1:20:A:PHE:H	1:19:A:TYR:H	10	0.57
(1,104)	1:17:A:GLN:HE22	1:17:A:GLN:HE21	1	0.57
(1,104)	1:17:A:GLN:HE22	1:17:A:GLN:HE21	2	0.57
(1,104)	1:17:A:GLN:HE22	1:17:A:GLN:HE21	3	0.57
(1,104)	1:17:A:GLN:HE22	1:17:A:GLN:HE21	4	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:17:A:GLN:HE22	1:17:A:GLN:HE21	5	0.57
(1,104)	1:17:A:GLN:HE22	1:17:A:GLN:HE21	6	0.57
(1,104)	1:17:A:GLN:HE22	1:17:A:GLN:HE21	7	0.57
(1,104)	1:17:A:GLN:HE22	1:17:A:GLN:HE21	8	0.57
(1,104)	1:17:A:GLN:HE22	1:17:A:GLN:HE21	9	0.57
(1,104)	1:17:A:GLN:HE22	1:17:A:GLN:HE21	10	0.57
(1,91)	1:20:A:PHE:H	1:19:A:TYR:H	6	0.57
(1,90)	1:7:A:ILE:H	1:8:A:VAL:H	10	0.57
(1,77)	1:5:A:LEU:H	1:5:A:LEU:HB2	2	0.57
(1,9)	1:33:A:ARG:HB2	1:33:A:ARG:H	10	0.57
(1,4)	1:19:A:TYR:HB2	1:19:A:TYR:H	7	0.57
(1,563)	1:24:A:THR:HA	1:27:A:ARG:HB2	9	0.56
(1,552)	1:7:A:ILE:HB	1:7:A:ILE:HG12	9	0.56
(1,393)	1:25:A:LEU:HB3	1:25:A:LEU:HA	10	0.56
(1,387)	1:36:A:ARG:HB3	1:36:A:ARG:HB2	7	0.56
(1,385)	1:36:A:ARG:HB3	1:36:A:ARG:HA	6	0.56
(1,374)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	4	0.56
(1,374)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	4	0.56
(1,374)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	4	0.56
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD11	1	0.56
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD12	1	0.56
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD13	1	0.56
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD11	3	0.56
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD12	3	0.56
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD13	3	0.56
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD11	9	0.56
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD12	9	0.56
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD13	9	0.56
(1,338)	1:15:A:ILE:HB	1:12:A:LEU:HA	5	0.56
(1,316)	1:17:A:GLN:HG3	1:17:A:GLN:HB3	6	0.56
(1,245)	1:18:A:LYS:HA	1:18:A:LYS:HB2	7	0.56
(1,210)	1:23:A:PRO:HG3	1:23:A:PRO:HA	6	0.56
(1,207)	1:36:A:ARG:HA	1:36:A:ARG:HB3	2	0.56
(1,114)	1:19:A:TYR:HB2	1:20:A:PHE:H	7	0.56
(1,106)	1:14:A:ASP:H	1:13:A:SER:H	3	0.56
(1,95)	1:14:A:ASP:HB3	1:14:A:ASP:H	9	0.56
(1,90)	1:7:A:ILE:H	1:8:A:VAL:H	1	0.56
(1,25)	1:21:A:PHE:HA	1:21:A:PHE:H	5	0.56
(1,25)	1:21:A:PHE:HA	1:21:A:PHE:H	7	0.56
(1,564)	1:28:A:VAL:HG21	1:25:A:LEU:HA	7	0.55
(1,564)	1:28:A:VAL:HG22	1:25:A:LEU:HA	7	0.55
(1,564)	1:28:A:VAL:HG23	1:25:A:LEU:HA	7	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:7:A:ILE:HA	1:7:A:ILE:HG12	8	0.55
(1,538)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	6	0.55
(1,515)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	5	0.55
(1,515)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	7	0.55
(1,460)	1:16:A:ILE:HG21	1:16:A:ILE:HA	8	0.55
(1,460)	1:16:A:ILE:HG22	1:16:A:ILE:HA	8	0.55
(1,460)	1:16:A:ILE:HG23	1:16:A:ILE:HA	8	0.55
(1,460)	1:16:A:ILE:HG21	1:16:A:ILE:HA	9	0.55
(1,460)	1:16:A:ILE:HG22	1:16:A:ILE:HA	9	0.55
(1,460)	1:16:A:ILE:HG23	1:16:A:ILE:HA	9	0.55
(1,429)	1:34:A:ILE:HG12	1:34:A:ILE:HB	2	0.55
(1,387)	1:36:A:ARG:HB3	1:36:A:ARG:HB2	1	0.55
(1,387)	1:36:A:ARG:HB3	1:36:A:ARG:HB2	2	0.55
(1,387)	1:36:A:ARG:HB3	1:36:A:ARG:HB2	4	0.55
(1,387)	1:36:A:ARG:HB3	1:36:A:ARG:HB2	5	0.55
(1,387)	1:36:A:ARG:HB3	1:36:A:ARG:HB2	6	0.55
(1,387)	1:36:A:ARG:HB3	1:36:A:ARG:HB2	9	0.55
(1,387)	1:36:A:ARG:HB3	1:36:A:ARG:HB2	10	0.55
(1,385)	1:36:A:ARG:HB3	1:36:A:ARG:HA	9	0.55
(1,378)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	1	0.55
(1,378)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	2	0.55
(1,378)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	3	0.55
(1,378)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	4	0.55
(1,378)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	5	0.55
(1,378)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	6	0.55
(1,378)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	7	0.55
(1,378)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	8	0.55
(1,378)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	9	0.55
(1,378)	1:12:A:LEU:HB2	1:12:A:LEU:HB3	10	0.55
(1,358)	1:34:A:ILE:HG13	1:34:A:ILE:HB	8	0.55
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD11	7	0.55
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD12	7	0.55
(1,345)	1:16:A:ILE:HB	1:16:A:ILE:HD13	7	0.55
(1,332)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	3	0.55
(1,332)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	4	0.55
(1,332)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	5	0.55
(1,332)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	6	0.55
(1,332)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	8	0.55
(1,332)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	9	0.55
(1,302)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	5	0.55
(1,302)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	7	0.55
(1,300)	1:26:A:PHE:HB3	1:23:A:PRO:HA	2	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:15:A:ILE:HB	1:12:A:LEU:HA	2	0.55
(1,223)	1:15:A:ILE:HB	1:12:A:LEU:HA	3	0.55
(1,187)	1:21:A:PHE:HD1	1:21:A:PHE:HB2	8	0.55
(1,187)	1:21:A:PHE:HD2	1:21:A:PHE:HB2	8	0.55
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD11	8	0.55
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD12	8	0.55
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD13	8	0.55
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD11	8	0.55
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD12	8	0.55
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD13	8	0.55
(1,156)	1:9:A:GLY:H	1:8:A:VAL:H	1	0.55
(1,120)	1:10:A:THR:HB	1:11:A:VAL:H	8	0.55
(1,20)	1:17:A:GLN:HB2	1:17:A:GLN:H	5	0.55
(1,12)	1:26:A:PHE:H	1:26:A:PHE:HB2	3	0.55
(1,554)	1:7:A:ILE:HA	1:7:A:ILE:HG12	4	0.54
(1,538)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	1	0.54
(1,538)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	2	0.54
(1,538)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	3	0.54
(1,538)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	4	0.54
(1,538)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	5	0.54
(1,538)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	7	0.54
(1,538)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	8	0.54
(1,538)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	9	0.54
(1,538)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	10	0.54
(1,515)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	1	0.54
(1,515)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	2	0.54
(1,515)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	3	0.54
(1,515)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	4	0.54
(1,515)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	6	0.54
(1,515)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	8	0.54
(1,515)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	9	0.54
(1,515)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	10	0.54
(1,507)	1:11:A:VAL:HA	1:11:A:VAL:HB	3	0.54
(1,463)	1:4:A:ILE:HD11	1:4:A:ILE:HA	4	0.54
(1,463)	1:4:A:ILE:HD12	1:4:A:ILE:HA	4	0.54
(1,463)	1:4:A:ILE:HD13	1:4:A:ILE:HA	4	0.54
(1,463)	1:4:A:ILE:HD11	1:4:A:ILE:HA	7	0.54
(1,463)	1:4:A:ILE:HD12	1:4:A:ILE:HA	7	0.54
(1,463)	1:4:A:ILE:HD13	1:4:A:ILE:HA	7	0.54
(1,429)	1:34:A:ILE:HG12	1:34:A:ILE:HB	3	0.54
(1,429)	1:34:A:ILE:HG12	1:34:A:ILE:HB	5	0.54
(1,393)	1:25:A:LEU:HB3	1:25:A:LEU:HA	1	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,393)	1:25:A:LEU:HB3	1:25:A:LEU:HA	7	0.54
(1,393)	1:25:A:LEU:HB3	1:25:A:LEU:HA	9	0.54
(1,387)	1:36:A:ARG:HB3	1:36:A:ARG:HB2	3	0.54
(1,387)	1:36:A:ARG:HB3	1:36:A:ARG:HB2	8	0.54
(1,386)	1:16:A:ILE:HB	1:16:A:ILE:HG13	1	0.54
(1,386)	1:16:A:ILE:HB	1:16:A:ILE:HG13	7	0.54
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD11	7	0.54
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD12	7	0.54
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD13	7	0.54
(1,358)	1:34:A:ILE:HG13	1:34:A:ILE:HB	1	0.54
(1,358)	1:34:A:ILE:HG13	1:34:A:ILE:HB	4	0.54
(1,358)	1:34:A:ILE:HG13	1:34:A:ILE:HB	9	0.54
(1,338)	1:15:A:ILE:HB	1:12:A:LEU:HA	4	0.54
(1,332)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	1	0.54
(1,332)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	2	0.54
(1,332)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	7	0.54
(1,302)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	1	0.54
(1,302)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	2	0.54
(1,302)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	3	0.54
(1,302)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	4	0.54
(1,302)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	6	0.54
(1,302)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	8	0.54
(1,302)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	9	0.54
(1,302)	1:21:A:PHE:HB3	1:21:A:PHE:HB2	10	0.54
(1,210)	1:23:A:PRO:HG3	1:23:A:PRO:HA	3	0.54
(1,206)	1:36:A:ARG:HA	1:36:A:ARG:HB2	8	0.54
(1,195)	1:20:A:PHE:HD1	1:20:A:PHE:HB2	5	0.54
(1,195)	1:20:A:PHE:HD2	1:20:A:PHE:HB2	5	0.54
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG21	6	0.54
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG22	6	0.54
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG23	6	0.54
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG21	6	0.54
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG22	6	0.54
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG23	6	0.54
(1,190)	1:19:A:TYR:HD1	1:15:A:ILE:HA	4	0.54
(1,190)	1:19:A:TYR:HD2	1:15:A:ILE:HA	4	0.54
(1,187)	1:21:A:PHE:HD1	1:21:A:PHE:HB2	5	0.54
(1,187)	1:21:A:PHE:HD2	1:21:A:PHE:HB2	5	0.54
(1,87)	1:12:A:LEU:H	1:11:A:VAL:H	2	0.54
(1,21)	1:17:A:GLN:HG3	1:17:A:GLN:H	10	0.54
(1,563)	1:24:A:THR:HA	1:27:A:ARG:HB2	2	0.53
(1,554)	1:7:A:ILE:HA	1:7:A:ILE:HG12	10	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,507)	1:11:A:VAL:HA	1:11:A:VAL:HB	1	0.53
(1,507)	1:11:A:VAL:HA	1:11:A:VAL:HB	2	0.53
(1,507)	1:11:A:VAL:HA	1:11:A:VAL:HB	4	0.53
(1,507)	1:11:A:VAL:HA	1:11:A:VAL:HB	5	0.53
(1,507)	1:11:A:VAL:HA	1:11:A:VAL:HB	7	0.53
(1,463)	1:4:A:ILE:HD11	1:4:A:ILE:HA	8	0.53
(1,463)	1:4:A:ILE:HD12	1:4:A:ILE:HA	8	0.53
(1,463)	1:4:A:ILE:HD13	1:4:A:ILE:HA	8	0.53
(1,463)	1:4:A:ILE:HD11	1:4:A:ILE:HA	10	0.53
(1,463)	1:4:A:ILE:HD12	1:4:A:ILE:HA	10	0.53
(1,463)	1:4:A:ILE:HD13	1:4:A:ILE:HA	10	0.53
(1,460)	1:16:A:ILE:HG21	1:16:A:ILE:HA	6	0.53
(1,460)	1:16:A:ILE:HG22	1:16:A:ILE:HA	6	0.53
(1,460)	1:16:A:ILE:HG23	1:16:A:ILE:HA	6	0.53
(1,460)	1:16:A:ILE:HG21	1:16:A:ILE:HA	7	0.53
(1,460)	1:16:A:ILE:HG22	1:16:A:ILE:HA	7	0.53
(1,460)	1:16:A:ILE:HG23	1:16:A:ILE:HA	7	0.53
(1,429)	1:34:A:ILE:HG12	1:34:A:ILE:HB	7	0.53
(1,399)	1:27:A:ARG:HA	1:27:A:ARG:HG3	1	0.53
(1,393)	1:25:A:LEU:HB3	1:25:A:LEU:HA	5	0.53
(1,386)	1:16:A:ILE:HB	1:16:A:ILE:HG13	3	0.53
(1,386)	1:16:A:ILE:HB	1:16:A:ILE:HG13	9	0.53
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD11	6	0.53
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD12	6	0.53
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD13	6	0.53
(1,338)	1:15:A:ILE:HB	1:12:A:LEU:HA	7	0.53
(1,338)	1:15:A:ILE:HB	1:12:A:LEU:HA	9	0.53
(1,332)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	10	0.53
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG21	2	0.53
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG22	2	0.53
(1,311)	1:19:A:TYR:HB2	1:15:A:ILE:HG23	2	0.53
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD11	1	0.53
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD12	1	0.53
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD13	1	0.53
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD11	2	0.53
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD12	2	0.53
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD13	2	0.53
(1,245)	1:18:A:LYS:HA	1:18:A:LYS:HB2	6	0.53
(1,245)	1:18:A:LYS:HA	1:18:A:LYS:HB2	8	0.53
(1,237)	1:27:A:ARG:HA	1:27:A:ARG:HB2	4	0.53
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD11	2	0.53
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD12	2	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD13	2	0.53
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD11	9	0.53
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD12	9	0.53
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD13	9	0.53
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD11	10	0.53
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD12	10	0.53
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD13	10	0.53
(1,200)	1:21:A:PHE:HB2	1:21:A:PHE:HA	8	0.53
(1,167)	1:5:A:LEU:HA	1:5:A:LEU:HB3	3	0.53
(1,156)	1:9:A:GLY:H	1:8:A:VAL:H	3	0.53
(1,111)	1:32:A:ALA:HB1	1:33:A:ARG:H	5	0.53
(1,111)	1:32:A:ALA:HB2	1:33:A:ARG:H	5	0.53
(1,111)	1:32:A:ALA:HB3	1:33:A:ARG:H	5	0.53
(1,106)	1:14:A:ASP:H	1:13:A:SER:H	1	0.53
(1,106)	1:14:A:ASP:H	1:13:A:SER:H	7	0.53
(1,95)	1:14:A:ASP:HB3	1:14:A:ASP:H	4	0.53
(1,91)	1:20:A:PHE:H	1:19:A:TYR:H	2	0.53
(1,91)	1:20:A:PHE:H	1:19:A:TYR:H	4	0.53
(1,90)	1:7:A:ILE:H	1:8:A:VAL:H	4	0.53
(1,83)	1:37:A:ILE:HG13	1:37:A:ILE:H	6	0.53
(1,558)	1:36:A:ARG:HD2	1:36:A:ARG:HB2	3	0.52
(1,460)	1:16:A:ILE:HG21	1:16:A:ILE:HA	4	0.52
(1,460)	1:16:A:ILE:HG22	1:16:A:ILE:HA	4	0.52
(1,460)	1:16:A:ILE:HG23	1:16:A:ILE:HA	4	0.52
(1,429)	1:34:A:ILE:HG12	1:34:A:ILE:HB	10	0.52
(1,409)	1:34:A:ILE:HG13	1:34:A:ILE:HB	10	0.52
(1,317)	1:23:A:PRO:HB3	1:23:A:PRO:HA	10	0.52
(1,314)	1:17:A:GLN:HA	1:17:A:GLN:HG3	1	0.52
(1,296)	1:36:A:ARG:HD2	1:36:A:ARG:HB3	5	0.52
(1,279)	1:16:A:ILE:HG21	1:16:A:ILE:HA	5	0.52
(1,279)	1:16:A:ILE:HG22	1:16:A:ILE:HA	5	0.52
(1,279)	1:16:A:ILE:HG23	1:16:A:ILE:HA	5	0.52
(1,270)	1:15:A:ILE:HG21	1:15:A:ILE:HA	6	0.52
(1,270)	1:15:A:ILE:HG22	1:15:A:ILE:HA	6	0.52
(1,270)	1:15:A:ILE:HG23	1:15:A:ILE:HA	6	0.52
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD11	6	0.52
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD12	6	0.52
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD13	6	0.52
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD11	8	0.52
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD12	8	0.52
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD13	8	0.52
(1,223)	1:15:A:ILE:HB	1:12:A:LEU:HA	8	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,210)	1:23:A:PRO:HG3	1:23:A:PRO:HA	8	0.52
(1,167)	1:5:A:LEU:HA	1:5:A:LEU:HB3	5	0.52
(1,167)	1:5:A:LEU:HA	1:5:A:LEU:HB3	6	0.52
(1,155)	1:4:A:ILE:H	1:5:A:LEU:H	2	0.52
(1,120)	1:10:A:THR:HB	1:11:A:VAL:H	3	0.52
(1,120)	1:10:A:THR:HB	1:11:A:VAL:H	5	0.52
(1,106)	1:14:A:ASP:H	1:13:A:SER:H	2	0.52
(1,91)	1:20:A:PHE:H	1:19:A:TYR:H	5	0.52
(1,90)	1:7:A:ILE:H	1:8:A:VAL:H	6	0.52
(1,83)	1:37:A:ILE:HG13	1:37:A:ILE:H	7	0.52
(1,36)	1:28:A:VAL:HG21	1:28:A:VAL:H	5	0.52
(1,36)	1:28:A:VAL:HG22	1:28:A:VAL:H	5	0.52
(1,36)	1:28:A:VAL:HG23	1:28:A:VAL:H	5	0.52
(1,36)	1:28:A:VAL:HG21	1:28:A:VAL:H	9	0.52
(1,36)	1:28:A:VAL:HG22	1:28:A:VAL:H	9	0.52
(1,36)	1:28:A:VAL:HG23	1:28:A:VAL:H	9	0.52
(1,24)	1:20:A:PHE:H	1:21:A:PHE:H	7	0.52
(1,12)	1:26:A:PHE:H	1:26:A:PHE:HB2	10	0.52
(1,566)	1:33:A:ARG:HD2	1:29:A:ILE:HG21	3	0.51
(1,566)	1:33:A:ARG:HD2	1:29:A:ILE:HG22	3	0.51
(1,566)	1:33:A:ARG:HD2	1:29:A:ILE:HG23	3	0.51
(1,552)	1:7:A:ILE:HB	1:7:A:ILE:HG12	6	0.51
(1,507)	1:11:A:VAL:HA	1:11:A:VAL:HB	6	0.51
(1,439)	1:29:A:ILE:HG12	1:29:A:ILE:HB	8	0.51
(1,402)	1:27:A:ARG:HB2	1:27:A:ARG:HG3	5	0.51
(1,390)	1:36:A:ARG:HB3	1:36:A:ARG:HG2	10	0.51
(1,386)	1:16:A:ILE:HB	1:16:A:ILE:HG13	2	0.51
(1,386)	1:16:A:ILE:HB	1:16:A:ILE:HG13	10	0.51
(1,385)	1:36:A:ARG:HB3	1:36:A:ARG:HA	7	0.51
(1,317)	1:23:A:PRO:HB3	1:23:A:PRO:HA	1	0.51
(1,317)	1:23:A:PRO:HB3	1:23:A:PRO:HA	2	0.51
(1,317)	1:23:A:PRO:HB3	1:23:A:PRO:HA	3	0.51
(1,317)	1:23:A:PRO:HB3	1:23:A:PRO:HA	5	0.51
(1,317)	1:23:A:PRO:HB3	1:23:A:PRO:HA	7	0.51
(1,317)	1:23:A:PRO:HB3	1:23:A:PRO:HA	8	0.51
(1,300)	1:26:A:PHE:HB3	1:23:A:PRO:HA	4	0.51
(1,275)	1:16:A:ILE:HB	1:16:A:ILE:HA	2	0.51
(1,275)	1:16:A:ILE:HB	1:16:A:ILE:HA	4	0.51
(1,237)	1:27:A:ARG:HA	1:27:A:ARG:HB2	7	0.51
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD11	1	0.51
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD12	1	0.51
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD13	1	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,210)	1:23:A:PRO:HG3	1:23:A:PRO:HA	5	0.51
(1,167)	1:5:A:LEU:HA	1:5:A:LEU:HB3	8	0.51
(1,111)	1:32:A:ALA:HB1	1:33:A:ARG:H	4	0.51
(1,111)	1:32:A:ALA:HB2	1:33:A:ARG:H	4	0.51
(1,111)	1:32:A:ALA:HB3	1:33:A:ARG:H	4	0.51
(1,106)	1:14:A:ASP:H	1:13:A:SER:H	5	0.51
(1,90)	1:7:A:ILE:H	1:8:A:VAL:H	2	0.51
(1,83)	1:37:A:ILE:HG13	1:37:A:ILE:H	4	0.51
(1,54)	1:30:A:ARG:HD3	1:30:A:ARG:H	9	0.51
(1,20)	1:17:A:GLN:HB2	1:17:A:GLN:H	2	0.51
(1,12)	1:26:A:PHE:H	1:26:A:PHE:HB2	7	0.51
(1,507)	1:11:A:VAL:HA	1:11:A:VAL:HB	8	0.5
(1,507)	1:11:A:VAL:HA	1:11:A:VAL:HB	10	0.5
(1,482)	1:18:A:LYS:HG3	1:18:A:LYS:HB2	5	0.5
(1,460)	1:16:A:ILE:HG21	1:16:A:ILE:HA	2	0.5
(1,460)	1:16:A:ILE:HG22	1:16:A:ILE:HA	2	0.5
(1,460)	1:16:A:ILE:HG23	1:16:A:ILE:HA	2	0.5
(1,435)	1:24:A:THR:HG1	1:24:A:THR:HA	8	0.5
(1,420)	1:18:A:LYS:HA	1:18:A:LYS:HB3	5	0.5
(1,409)	1:34:A:ILE:HG13	1:34:A:ILE:HB	3	0.5
(1,409)	1:34:A:ILE:HG13	1:34:A:ILE:HB	7	0.5
(1,390)	1:36:A:ARG:HB3	1:36:A:ARG:HG2	2	0.5
(1,386)	1:16:A:ILE:HB	1:16:A:ILE:HG13	4	0.5
(1,386)	1:16:A:ILE:HB	1:16:A:ILE:HG13	6	0.5
(1,383)	1:16:A:ILE:HG13	1:16:A:ILE:HA	2	0.5
(1,338)	1:15:A:ILE:HB	1:12:A:LEU:HA	1	0.5
(1,338)	1:15:A:ILE:HB	1:12:A:LEU:HA	10	0.5
(1,317)	1:23:A:PRO:HB3	1:23:A:PRO:HA	6	0.5
(1,317)	1:23:A:PRO:HB3	1:23:A:PRO:HA	9	0.5
(1,276)	1:16:A:ILE:HA	1:16:A:ILE:HG13	2	0.5
(1,275)	1:16:A:ILE:HB	1:16:A:ILE:HA	1	0.5
(1,275)	1:16:A:ILE:HB	1:16:A:ILE:HA	3	0.5
(1,275)	1:16:A:ILE:HB	1:16:A:ILE:HA	5	0.5
(1,275)	1:16:A:ILE:HB	1:16:A:ILE:HA	6	0.5
(1,275)	1:16:A:ILE:HB	1:16:A:ILE:HA	7	0.5
(1,275)	1:16:A:ILE:HB	1:16:A:ILE:HA	8	0.5
(1,275)	1:16:A:ILE:HB	1:16:A:ILE:HA	9	0.5
(1,275)	1:16:A:ILE:HB	1:16:A:ILE:HA	10	0.5
(1,245)	1:18:A:LYS:HA	1:18:A:LYS:HB2	4	0.5
(1,210)	1:23:A:PRO:HG3	1:23:A:PRO:HA	1	0.5
(1,200)	1:21:A:PHE:HB2	1:21:A:PHE:HA	9	0.5
(1,167)	1:5:A:LEU:HA	1:5:A:LEU:HB3	4	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:5:A:LEU:HA	1:5:A:LEU:HB3	7	0.5
(1,167)	1:5:A:LEU:HA	1:5:A:LEU:HB3	10	0.5
(1,96)	1:14:A:ASP:HB2	1:14:A:ASP:H	8	0.5
(1,45)	1:12:A:LEU:HB2	1:12:A:LEU:H	4	0.5
(1,31)	1:34:A:ILE:HG12	1:34:A:ILE:H	3	0.5
(1,10)	1:33:A:ARG:HD2	1:33:A:ARG:H	2	0.5
(1,4)	1:19:A:TYR:HB2	1:19:A:TYR:H	2	0.5
(1,484)	1:34:A:ILE:HD11	1:34:A:ILE:HG13	1	0.49
(1,484)	1:34:A:ILE:HD12	1:34:A:ILE:HG13	1	0.49
(1,484)	1:34:A:ILE:HD13	1:34:A:ILE:HG13	1	0.49
(1,484)	1:34:A:ILE:HD11	1:34:A:ILE:HG13	4	0.49
(1,484)	1:34:A:ILE:HD12	1:34:A:ILE:HG13	4	0.49
(1,484)	1:34:A:ILE:HD13	1:34:A:ILE:HG13	4	0.49
(1,484)	1:34:A:ILE:HD11	1:34:A:ILE:HG13	6	0.49
(1,484)	1:34:A:ILE:HD12	1:34:A:ILE:HG13	6	0.49
(1,484)	1:34:A:ILE:HD13	1:34:A:ILE:HG13	6	0.49
(1,484)	1:34:A:ILE:HD11	1:34:A:ILE:HG13	8	0.49
(1,484)	1:34:A:ILE:HD12	1:34:A:ILE:HG13	8	0.49
(1,484)	1:34:A:ILE:HD13	1:34:A:ILE:HG13	8	0.49
(1,484)	1:34:A:ILE:HD11	1:34:A:ILE:HG13	9	0.49
(1,484)	1:34:A:ILE:HD12	1:34:A:ILE:HG13	9	0.49
(1,484)	1:34:A:ILE:HD13	1:34:A:ILE:HG13	9	0.49
(1,469)	1:28:A:VAL:HG11	1:28:A:VAL:HB	2	0.49
(1,469)	1:28:A:VAL:HG12	1:28:A:VAL:HB	2	0.49
(1,469)	1:28:A:VAL:HG13	1:28:A:VAL:HB	2	0.49
(1,469)	1:28:A:VAL:HG11	1:28:A:VAL:HB	3	0.49
(1,469)	1:28:A:VAL:HG12	1:28:A:VAL:HB	3	0.49
(1,469)	1:28:A:VAL:HG13	1:28:A:VAL:HB	3	0.49
(1,469)	1:28:A:VAL:HG11	1:28:A:VAL:HB	4	0.49
(1,469)	1:28:A:VAL:HG12	1:28:A:VAL:HB	4	0.49
(1,469)	1:28:A:VAL:HG13	1:28:A:VAL:HB	4	0.49
(1,469)	1:28:A:VAL:HG11	1:28:A:VAL:HB	5	0.49
(1,469)	1:28:A:VAL:HG12	1:28:A:VAL:HB	5	0.49
(1,469)	1:28:A:VAL:HG13	1:28:A:VAL:HB	5	0.49
(1,469)	1:28:A:VAL:HG11	1:28:A:VAL:HB	6	0.49
(1,469)	1:28:A:VAL:HG12	1:28:A:VAL:HB	6	0.49
(1,469)	1:28:A:VAL:HG13	1:28:A:VAL:HB	6	0.49
(1,469)	1:28:A:VAL:HG11	1:28:A:VAL:HB	7	0.49
(1,469)	1:28:A:VAL:HG12	1:28:A:VAL:HB	7	0.49
(1,469)	1:28:A:VAL:HG13	1:28:A:VAL:HB	7	0.49
(1,469)	1:28:A:VAL:HG11	1:28:A:VAL:HB	8	0.49
(1,469)	1:28:A:VAL:HG12	1:28:A:VAL:HB	8	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:28:A:VAL:HG13	1:28:A:VAL:HB	8	0.49
(1,469)	1:28:A:VAL:HG11	1:28:A:VAL:HB	9	0.49
(1,469)	1:28:A:VAL:HG12	1:28:A:VAL:HB	9	0.49
(1,469)	1:28:A:VAL:HG13	1:28:A:VAL:HB	9	0.49
(1,469)	1:28:A:VAL:HG11	1:28:A:VAL:HB	10	0.49
(1,469)	1:28:A:VAL:HG12	1:28:A:VAL:HB	10	0.49
(1,469)	1:28:A:VAL:HG13	1:28:A:VAL:HB	10	0.49
(1,439)	1:29:A:ILE:HG12	1:29:A:ILE:HB	1	0.49
(1,409)	1:34:A:ILE:HG13	1:34:A:ILE:HB	5	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD11	3	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD12	3	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD13	3	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD11	5	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD12	5	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD13	5	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD11	6	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD12	6	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD13	6	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD11	8	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD12	8	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD13	8	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD11	9	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD12	9	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD13	9	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD11	10	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD12	10	0.49
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD13	10	0.49
(1,386)	1:16:A:ILE:HB	1:16:A:ILE:HG13	5	0.49
(1,386)	1:16:A:ILE:HB	1:16:A:ILE:HG13	8	0.49
(1,385)	1:36:A:ARG:HB3	1:36:A:ARG:HA	5	0.49
(1,383)	1:16:A:ILE:HG13	1:16:A:ILE:HA	6	0.49
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD11	2	0.49
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD12	2	0.49
(1,382)	1:37:A:ILE:HB	1:37:A:ILE:HD13	2	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG21	2	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG22	2	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG23	2	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG21	3	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG22	3	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG23	3	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG21	4	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG22	4	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG23	4	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG21	5	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG22	5	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG23	5	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG21	6	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG22	6	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG23	6	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG21	8	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG22	8	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG23	8	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG21	9	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG22	9	0.49
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG23	9	0.49
(1,330)	1:17:A:GLN:HB3	1:14:A:ASP:HA	2	0.49
(1,317)	1:23:A:PRO:HB3	1:23:A:PRO:HA	4	0.49
(1,279)	1:16:A:ILE:HG21	1:16:A:ILE:HA	10	0.49
(1,279)	1:16:A:ILE:HG22	1:16:A:ILE:HA	10	0.49
(1,279)	1:16:A:ILE:HG23	1:16:A:ILE:HA	10	0.49
(1,276)	1:16:A:ILE:HA	1:16:A:ILE:HG13	6	0.49
(1,270)	1:15:A:ILE:HG21	1:15:A:ILE:HA	1	0.49
(1,270)	1:15:A:ILE:HG22	1:15:A:ILE:HA	1	0.49
(1,270)	1:15:A:ILE:HG23	1:15:A:ILE:HA	1	0.49
(1,270)	1:15:A:ILE:HG21	1:15:A:ILE:HA	2	0.49
(1,270)	1:15:A:ILE:HG22	1:15:A:ILE:HA	2	0.49
(1,270)	1:15:A:ILE:HG23	1:15:A:ILE:HA	2	0.49
(1,270)	1:15:A:ILE:HG21	1:15:A:ILE:HA	4	0.49
(1,270)	1:15:A:ILE:HG22	1:15:A:ILE:HA	4	0.49
(1,270)	1:15:A:ILE:HG23	1:15:A:ILE:HA	4	0.49
(1,270)	1:15:A:ILE:HG21	1:15:A:ILE:HA	8	0.49
(1,270)	1:15:A:ILE:HG22	1:15:A:ILE:HA	8	0.49
(1,270)	1:15:A:ILE:HG23	1:15:A:ILE:HA	8	0.49
(1,270)	1:15:A:ILE:HG21	1:15:A:ILE:HA	10	0.49
(1,270)	1:15:A:ILE:HG22	1:15:A:ILE:HA	10	0.49
(1,270)	1:15:A:ILE:HG23	1:15:A:ILE:HA	10	0.49
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD11	10	0.49
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD12	10	0.49
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD13	10	0.49
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD11	3	0.49
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD12	3	0.49
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD13	3	0.49
(1,210)	1:23:A:PRO:HG3	1:23:A:PRO:HA	2	0.49
(1,206)	1:36:A:ARG:HA	1:36:A:ARG:HB2	3	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:20:A:PHE:HD1	1:16:A:ILE:HA	7	0.49
(1,192)	1:20:A:PHE:HD2	1:16:A:ILE:HA	7	0.49
(1,125)	1:7:A:ILE:HB	1:8:A:VAL:H	8	0.49
(1,106)	1:14:A:ASP:H	1:13:A:SER:H	6	0.49
(1,87)	1:12:A:LEU:H	1:11:A:VAL:H	6	0.49
(1,59)	1:27:A:ARG:HD3	1:27:A:ARG:H	6	0.49
(1,45)	1:12:A:LEU:HB2	1:12:A:LEU:H	7	0.49
(1,12)	1:26:A:PHE:H	1:26:A:PHE:HB2	9	0.49
(1,10)	1:33:A:ARG:HD2	1:33:A:ARG:H	3	0.49
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD11	5	0.48
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD12	5	0.48
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD13	5	0.48
(1,507)	1:11:A:VAL:HA	1:11:A:VAL:HB	9	0.48
(1,484)	1:34:A:ILE:HD11	1:34:A:ILE:HG13	2	0.48
(1,484)	1:34:A:ILE:HD12	1:34:A:ILE:HG13	2	0.48
(1,484)	1:34:A:ILE:HD13	1:34:A:ILE:HG13	2	0.48
(1,484)	1:34:A:ILE:HD11	1:34:A:ILE:HG13	3	0.48
(1,484)	1:34:A:ILE:HD12	1:34:A:ILE:HG13	3	0.48
(1,484)	1:34:A:ILE:HD13	1:34:A:ILE:HG13	3	0.48
(1,484)	1:34:A:ILE:HD11	1:34:A:ILE:HG13	5	0.48
(1,484)	1:34:A:ILE:HD12	1:34:A:ILE:HG13	5	0.48
(1,484)	1:34:A:ILE:HD13	1:34:A:ILE:HG13	5	0.48
(1,484)	1:34:A:ILE:HD11	1:34:A:ILE:HG13	7	0.48
(1,484)	1:34:A:ILE:HD12	1:34:A:ILE:HG13	7	0.48
(1,484)	1:34:A:ILE:HD13	1:34:A:ILE:HG13	7	0.48
(1,484)	1:34:A:ILE:HD11	1:34:A:ILE:HG13	10	0.48
(1,484)	1:34:A:ILE:HD12	1:34:A:ILE:HG13	10	0.48
(1,484)	1:34:A:ILE:HD13	1:34:A:ILE:HG13	10	0.48
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG21	9	0.48
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG22	9	0.48
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG23	9	0.48
(1,469)	1:28:A:VAL:HG11	1:28:A:VAL:HB	1	0.48
(1,469)	1:28:A:VAL:HG12	1:28:A:VAL:HB	1	0.48
(1,469)	1:28:A:VAL:HG13	1:28:A:VAL:HB	1	0.48
(1,439)	1:29:A:ILE:HG12	1:29:A:ILE:HB	6	0.48
(1,409)	1:34:A:ILE:HG13	1:34:A:ILE:HB	2	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	1	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	1	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	1	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	2	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	2	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	2	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	3	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	3	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	3	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	4	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	4	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	4	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	5	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	5	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	5	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	6	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	6	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	6	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	7	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	7	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	7	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	8	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	8	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	8	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	9	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	9	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	9	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD11	10	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD12	10	0.48
(1,396)	1:29:A:ILE:HG13	1:29:A:ILE:HD13	10	0.48
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD11	1	0.48
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD12	1	0.48
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD13	1	0.48
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD11	2	0.48
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD12	2	0.48
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD13	2	0.48
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD11	4	0.48
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD12	4	0.48
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD13	4	0.48
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD11	7	0.48
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD12	7	0.48
(1,392)	1:16:A:ILE:HG13	1:16:A:ILE:HD13	7	0.48
(1,383)	1:16:A:ILE:HG13	1:16:A:ILE:HA	4	0.48
(1,347)	1:4:A:ILE:HB	1:4:A:ILE:HA	10	0.48
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG21	1	0.48
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG22	1	0.48
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG23	1	0.48
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG21	7	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG22	7	0.48
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG23	7	0.48
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG21	10	0.48
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG22	10	0.48
(1,341)	1:15:A:ILE:HB	1:15:A:ILE:HG23	10	0.48
(1,279)	1:16:A:ILE:HG21	1:16:A:ILE:HA	3	0.48
(1,279)	1:16:A:ILE:HG22	1:16:A:ILE:HA	3	0.48
(1,279)	1:16:A:ILE:HG23	1:16:A:ILE:HA	3	0.48
(1,276)	1:16:A:ILE:HA	1:16:A:ILE:HG13	4	0.48
(1,270)	1:15:A:ILE:HG21	1:15:A:ILE:HA	5	0.48
(1,270)	1:15:A:ILE:HG22	1:15:A:ILE:HA	5	0.48
(1,270)	1:15:A:ILE:HG23	1:15:A:ILE:HA	5	0.48
(1,245)	1:18:A:LYS:HA	1:18:A:LYS:HB2	2	0.48
(1,245)	1:18:A:LYS:HA	1:18:A:LYS:HB2	3	0.48
(1,210)	1:23:A:PRO:HG3	1:23:A:PRO:HA	7	0.48
(1,187)	1:21:A:PHE:HD1	1:21:A:PHE:HB2	7	0.48
(1,187)	1:21:A:PHE:HD2	1:21:A:PHE:HB2	7	0.48
(1,180)	1:23:A:PRO:HD3	1:24:A:THR:HB	3	0.48
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG21	5	0.48
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG22	5	0.48
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG23	5	0.48
(1,108)	1:20:A:PHE:H	1:19:A:TYR:H	9	0.48
(1,60)	1:27:A:ARG:HB2	1:27:A:ARG:H	3	0.48
(1,45)	1:12:A:LEU:HB2	1:12:A:LEU:H	2	0.48
(1,45)	1:12:A:LEU:HB2	1:12:A:LEU:H	5	0.48
(1,26)	1:21:A:PHE:HB2	1:21:A:PHE:H	10	0.48
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG21	1	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG22	1	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG23	1	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG21	2	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG22	2	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG23	2	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG21	3	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG22	3	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG23	3	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG21	4	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG22	4	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG23	4	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG21	5	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG22	5	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG23	5	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG21	6	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG22	6	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG23	6	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG21	7	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG22	7	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG23	7	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG21	8	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG22	8	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG23	8	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG21	10	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG22	10	0.47
(1,480)	1:37:A:ILE:HB	1:37:A:ILE:HG23	10	0.47
(1,448)	1:28:A:VAL:HG21	1:28:A:VAL:HB	1	0.47
(1,448)	1:28:A:VAL:HG22	1:28:A:VAL:HB	1	0.47
(1,448)	1:28:A:VAL:HG23	1:28:A:VAL:HB	1	0.47
(1,448)	1:28:A:VAL:HG21	1:28:A:VAL:HB	2	0.47
(1,448)	1:28:A:VAL:HG22	1:28:A:VAL:HB	2	0.47
(1,448)	1:28:A:VAL:HG23	1:28:A:VAL:HB	2	0.47
(1,448)	1:28:A:VAL:HG21	1:28:A:VAL:HB	3	0.47
(1,448)	1:28:A:VAL:HG22	1:28:A:VAL:HB	3	0.47
(1,448)	1:28:A:VAL:HG23	1:28:A:VAL:HB	3	0.47
(1,448)	1:28:A:VAL:HG21	1:28:A:VAL:HB	4	0.47
(1,448)	1:28:A:VAL:HG22	1:28:A:VAL:HB	4	0.47
(1,448)	1:28:A:VAL:HG23	1:28:A:VAL:HB	4	0.47
(1,448)	1:28:A:VAL:HG21	1:28:A:VAL:HB	5	0.47
(1,448)	1:28:A:VAL:HG22	1:28:A:VAL:HB	5	0.47
(1,448)	1:28:A:VAL:HG23	1:28:A:VAL:HB	5	0.47
(1,448)	1:28:A:VAL:HG21	1:28:A:VAL:HB	6	0.47
(1,448)	1:28:A:VAL:HG22	1:28:A:VAL:HB	6	0.47
(1,448)	1:28:A:VAL:HG23	1:28:A:VAL:HB	6	0.47
(1,448)	1:28:A:VAL:HG21	1:28:A:VAL:HB	7	0.47
(1,448)	1:28:A:VAL:HG22	1:28:A:VAL:HB	7	0.47
(1,448)	1:28:A:VAL:HG23	1:28:A:VAL:HB	7	0.47
(1,448)	1:28:A:VAL:HG21	1:28:A:VAL:HB	8	0.47
(1,448)	1:28:A:VAL:HG22	1:28:A:VAL:HB	8	0.47
(1,448)	1:28:A:VAL:HG23	1:28:A:VAL:HB	8	0.47
(1,448)	1:28:A:VAL:HG21	1:28:A:VAL:HB	9	0.47
(1,448)	1:28:A:VAL:HG22	1:28:A:VAL:HB	9	0.47
(1,448)	1:28:A:VAL:HG23	1:28:A:VAL:HB	9	0.47
(1,448)	1:28:A:VAL:HG21	1:28:A:VAL:HB	10	0.47
(1,448)	1:28:A:VAL:HG22	1:28:A:VAL:HB	10	0.47
(1,448)	1:28:A:VAL:HG23	1:28:A:VAL:HB	10	0.47
(1,439)	1:29:A:ILE:HG12	1:29:A:ILE:HB	7	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:36:A:ARG:HB3	1:36:A:ARG:HG2	4	0.47
(1,383)	1:16:A:ILE:HG13	1:16:A:ILE:HA	8	0.47
(1,347)	1:4:A:ILE:HB	1:4:A:ILE:HA	4	0.47
(1,347)	1:4:A:ILE:HB	1:4:A:ILE:HA	8	0.47
(1,338)	1:15:A:ILE:HB	1:12:A:LEU:HA	6	0.47
(1,300)	1:26:A:PHE:HB3	1:23:A:PRO:HA	6	0.47
(1,279)	1:16:A:ILE:HG21	1:16:A:ILE:HA	1	0.47
(1,279)	1:16:A:ILE:HG22	1:16:A:ILE:HA	1	0.47
(1,279)	1:16:A:ILE:HG23	1:16:A:ILE:HA	1	0.47
(1,276)	1:16:A:ILE:HA	1:16:A:ILE:HG13	8	0.47
(1,270)	1:15:A:ILE:HG21	1:15:A:ILE:HA	3	0.47
(1,270)	1:15:A:ILE:HG22	1:15:A:ILE:HA	3	0.47
(1,270)	1:15:A:ILE:HG23	1:15:A:ILE:HA	3	0.47
(1,270)	1:15:A:ILE:HG21	1:15:A:ILE:HA	9	0.47
(1,270)	1:15:A:ILE:HG22	1:15:A:ILE:HA	9	0.47
(1,270)	1:15:A:ILE:HG23	1:15:A:ILE:HA	9	0.47
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD11	4	0.47
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD12	4	0.47
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD13	4	0.47
(1,200)	1:21:A:PHE:HB2	1:21:A:PHE:HA	10	0.47
(1,180)	1:23:A:PRO:HD3	1:24:A:THR:HB	9	0.47
(1,120)	1:10:A:THR:HB	1:11:A:VAL:H	4	0.47
(1,120)	1:10:A:THR:HB	1:11:A:VAL:H	10	0.47
(1,99)	1:32:A:ALA:HB1	1:32:A:ALA:H	2	0.47
(1,99)	1:32:A:ALA:HB2	1:32:A:ALA:H	2	0.47
(1,99)	1:32:A:ALA:HB3	1:32:A:ALA:H	2	0.47
(1,85)	1:36:A:ARG:H	1:37:A:ILE:H	6	0.47
(1,77)	1:5:A:LEU:H	1:5:A:LEU:HB2	10	0.47
(1,60)	1:27:A:ARG:HB2	1:27:A:ARG:H	8	0.47
(1,50)	1:8:A:VAL:HG21	1:8:A:VAL:H	6	0.47
(1,50)	1:8:A:VAL:HG22	1:8:A:VAL:H	6	0.47
(1,50)	1:8:A:VAL:HG23	1:8:A:VAL:H	6	0.47
(1,45)	1:12:A:LEU:HB2	1:12:A:LEU:H	3	0.47
(1,45)	1:12:A:LEU:HB2	1:12:A:LEU:H	9	0.47
(1,36)	1:28:A:VAL:HG21	1:28:A:VAL:H	4	0.47
(1,36)	1:28:A:VAL:HG22	1:28:A:VAL:H	4	0.47
(1,36)	1:28:A:VAL:HG23	1:28:A:VAL:H	4	0.47
(1,26)	1:21:A:PHE:HB2	1:21:A:PHE:H	3	0.47
(1,23)	1:20:A:PHE:H	1:20:A:PHE:HB2	7	0.47
(1,552)	1:7:A:ILE:HB	1:7:A:ILE:HG12	1	0.46
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD11	1	0.46
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD12	1	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD13	1	0.46
(1,527)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	4	0.46
(1,527)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	7	0.46
(1,527)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	8	0.46
(1,527)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	10	0.46
(1,459)	1:28:A:VAL:HG11	1:28:A:VAL:HA	1	0.46
(1,459)	1:28:A:VAL:HG12	1:28:A:VAL:HA	1	0.46
(1,459)	1:28:A:VAL:HG13	1:28:A:VAL:HA	1	0.46
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG21	2	0.46
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG22	2	0.46
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG23	2	0.46
(1,439)	1:29:A:ILE:HG12	1:29:A:ILE:HB	4	0.46
(1,439)	1:29:A:ILE:HG12	1:29:A:ILE:HB	9	0.46
(1,218)	1:26:A:PHE:HA	1:29:A:ILE:HD11	5	0.46
(1,218)	1:26:A:PHE:HA	1:29:A:ILE:HD12	5	0.46
(1,218)	1:26:A:PHE:HA	1:29:A:ILE:HD13	5	0.46
(1,215)	1:26:A:PHE:HA	1:26:A:PHE:HB2	6	0.46
(1,200)	1:21:A:PHE:HB2	1:21:A:PHE:HA	6	0.46
(1,196)	1:20:A:PHE:HD1	1:16:A:ILE:HG21	2	0.46
(1,196)	1:20:A:PHE:HD1	1:16:A:ILE:HG22	2	0.46
(1,196)	1:20:A:PHE:HD1	1:16:A:ILE:HG23	2	0.46
(1,196)	1:20:A:PHE:HD2	1:16:A:ILE:HG21	2	0.46
(1,196)	1:20:A:PHE:HD2	1:16:A:ILE:HG22	2	0.46
(1,196)	1:20:A:PHE:HD2	1:16:A:ILE:HG23	2	0.46
(1,196)	1:20:A:PHE:HD1	1:16:A:ILE:HG21	4	0.46
(1,196)	1:20:A:PHE:HD1	1:16:A:ILE:HG22	4	0.46
(1,196)	1:20:A:PHE:HD1	1:16:A:ILE:HG23	4	0.46
(1,196)	1:20:A:PHE:HD2	1:16:A:ILE:HG21	4	0.46
(1,196)	1:20:A:PHE:HD2	1:16:A:ILE:HG22	4	0.46
(1,196)	1:20:A:PHE:HD2	1:16:A:ILE:HG23	4	0.46
(1,120)	1:10:A:THR:HB	1:11:A:VAL:H	1	0.46
(1,111)	1:32:A:ALA:HB1	1:33:A:ARG:H	2	0.46
(1,111)	1:32:A:ALA:HB2	1:33:A:ARG:H	2	0.46
(1,111)	1:32:A:ALA:HB3	1:33:A:ARG:H	2	0.46
(1,106)	1:14:A:ASP:H	1:13:A:SER:H	8	0.46
(1,96)	1:14:A:ASP:HB2	1:14:A:ASP:H	5	0.46
(1,91)	1:20:A:PHE:H	1:19:A:TYR:H	7	0.46
(1,77)	1:5:A:LEU:H	1:5:A:LEU:HB2	4	0.46
(1,59)	1:27:A:ARG:HD3	1:27:A:ARG:H	5	0.46
(1,49)	1:8:A:VAL:HB	1:8:A:VAL:H	2	0.46
(1,45)	1:12:A:LEU:HB2	1:12:A:LEU:H	1	0.46
(1,45)	1:12:A:LEU:HB2	1:12:A:LEU:H	6	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:12:A:LEU:HB2	1:12:A:LEU:H	10	0.46
(1,36)	1:28:A:VAL:HG21	1:28:A:VAL:H	7	0.46
(1,36)	1:28:A:VAL:HG22	1:28:A:VAL:H	7	0.46
(1,36)	1:28:A:VAL:HG23	1:28:A:VAL:H	7	0.46
(1,31)	1:34:A:ILE:HG12	1:34:A:ILE:H	10	0.46
(1,12)	1:26:A:PHE:H	1:26:A:PHE:HB2	1	0.46
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD11	7	0.45
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD12	7	0.45
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD13	7	0.45
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD11	9	0.45
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD12	9	0.45
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD13	9	0.45
(1,537)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	6	0.45
(1,527)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	1	0.45
(1,527)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	2	0.45
(1,527)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	3	0.45
(1,527)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	5	0.45
(1,527)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	6	0.45
(1,527)	1:17:A:GLN:HB2	1:17:A:GLN:HB3	9	0.45
(1,517)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	7	0.45
(1,516)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	7	0.45
(1,513)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	1	0.45
(1,513)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	3	0.45
(1,513)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	5	0.45
(1,513)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	7	0.45
(1,513)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	9	0.45
(1,513)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	10	0.45
(1,435)	1:24:A:THR:HG1	1:24:A:THR:HA	6	0.45
(1,409)	1:34:A:ILE:HG13	1:34:A:ILE:HB	8	0.45
(1,398)	1:29:A:ILE:HG13	1:26:A:PHE:HA	9	0.45
(1,338)	1:15:A:ILE:HB	1:12:A:LEU:HA	2	0.45
(1,338)	1:15:A:ILE:HB	1:12:A:LEU:HA	3	0.45
(1,319)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	3	0.45
(1,319)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	4	0.45
(1,319)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	5	0.45
(1,319)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	6	0.45
(1,319)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	8	0.45
(1,319)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	9	0.45
(1,307)	1:14:A:ASP:HB3	1:11:A:VAL:HA	2	0.45
(1,293)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	5	0.45
(1,293)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	7	0.45
(1,279)	1:16:A:ILE:HG21	1:16:A:ILE:HA	8	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,279)	1:16:A:ILE:HG22	1:16:A:ILE:HA	8	0.45
(1,279)	1:16:A:ILE:HG23	1:16:A:ILE:HA	8	0.45
(1,279)	1:16:A:ILE:HG21	1:16:A:ILE:HA	9	0.45
(1,279)	1:16:A:ILE:HG22	1:16:A:ILE:HA	9	0.45
(1,279)	1:16:A:ILE:HG23	1:16:A:ILE:HA	9	0.45
(1,270)	1:15:A:ILE:HG21	1:15:A:ILE:HA	7	0.45
(1,270)	1:15:A:ILE:HG22	1:15:A:ILE:HA	7	0.45
(1,270)	1:15:A:ILE:HG23	1:15:A:ILE:HA	7	0.45
(1,245)	1:18:A:LYS:HA	1:18:A:LYS:HB2	10	0.45
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD11	7	0.45
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD12	7	0.45
(1,226)	1:12:A:LEU:HA	1:12:A:LEU:HD13	7	0.45
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG21	2	0.45
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG22	2	0.45
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG23	2	0.45
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG21	2	0.45
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG22	2	0.45
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG23	2	0.45
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG21	4	0.45
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG22	4	0.45
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG23	4	0.45
(1,167)	1:5:A:LEU:HA	1:5:A:LEU:HB3	2	0.45
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD11	6	0.45
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD12	6	0.45
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD13	6	0.45
(1,120)	1:10:A:THR:HB	1:11:A:VAL:H	7	0.45
(1,106)	1:14:A:ASP:H	1:13:A:SER:H	4	0.45
(1,99)	1:32:A:ALA:HB1	1:32:A:ALA:H	3	0.45
(1,99)	1:32:A:ALA:HB2	1:32:A:ALA:H	3	0.45
(1,99)	1:32:A:ALA:HB3	1:32:A:ALA:H	3	0.45
(1,92)	1:20:A:PHE:H	1:21:A:PHE:H	2	0.45
(1,90)	1:7:A:ILE:H	1:8:A:VAL:H	8	0.45
(1,87)	1:12:A:LEU:H	1:11:A:VAL:H	7	0.45
(1,85)	1:36:A:ARG:H	1:37:A:ILE:H	2	0.45
(1,77)	1:5:A:LEU:H	1:5:A:LEU:HB2	7	0.45
(1,77)	1:5:A:LEU:H	1:5:A:LEU:HB2	8	0.45
(1,23)	1:20:A:PHE:H	1:20:A:PHE:HB2	9	0.45
(1,12)	1:26:A:PHE:H	1:26:A:PHE:HB2	5	0.45
(1,4)	1:19:A:TYR:HB2	1:19:A:TYR:H	4	0.45
(1,558)	1:36:A:ARG:HD2	1:36:A:ARG:HB2	8	0.44
(1,537)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	1	0.44
(1,537)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	2	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	3	0.44
(1,537)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	4	0.44
(1,537)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	5	0.44
(1,537)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	7	0.44
(1,537)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	8	0.44
(1,537)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	9	0.44
(1,537)	1:35:A:GLY:HA2	1:35:A:GLY:HA3	10	0.44
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG11	6	0.44
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG12	6	0.44
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG13	6	0.44
(1,520)	1:19:A:TYR:HA	1:19:A:TYR:HB3	8	0.44
(1,517)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	1	0.44
(1,517)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	2	0.44
(1,517)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	3	0.44
(1,517)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	4	0.44
(1,517)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	5	0.44
(1,517)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	6	0.44
(1,517)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	8	0.44
(1,517)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	9	0.44
(1,517)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	10	0.44
(1,516)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	1	0.44
(1,516)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	2	0.44
(1,516)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	3	0.44
(1,516)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	4	0.44
(1,516)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	5	0.44
(1,516)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	6	0.44
(1,516)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	8	0.44
(1,516)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	9	0.44
(1,516)	1:20:A:PHE:HB3	1:20:A:PHE:HB2	10	0.44
(1,513)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	2	0.44
(1,513)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	4	0.44
(1,513)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	6	0.44
(1,513)	1:26:A:PHE:HB3	1:26:A:PHE:HB2	8	0.44
(1,435)	1:24:A:THR:HG1	1:24:A:THR:HA	2	0.44
(1,409)	1:34:A:ILE:HG13	1:34:A:ILE:HB	1	0.44
(1,409)	1:34:A:ILE:HG13	1:34:A:ILE:HB	4	0.44
(1,409)	1:34:A:ILE:HG13	1:34:A:ILE:HB	9	0.44
(1,319)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	1	0.44
(1,319)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	2	0.44
(1,319)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	7	0.44
(1,314)	1:17:A:GLN:HA	1:17:A:GLN:HG3	8	0.44
(1,293)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	1	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,293)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	2	0.44
(1,293)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	3	0.44
(1,293)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	4	0.44
(1,293)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	6	0.44
(1,293)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	8	0.44
(1,293)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	9	0.44
(1,293)	1:21:A:PHE:HB2	1:21:A:PHE:HB3	10	0.44
(1,215)	1:26:A:PHE:HA	1:26:A:PHE:HB2	2	0.44
(1,210)	1:23:A:PRO:HG3	1:23:A:PRO:HA	10	0.44
(1,200)	1:21:A:PHE:HB2	1:21:A:PHE:HA	1	0.44
(1,200)	1:21:A:PHE:HB2	1:21:A:PHE:HA	3	0.44
(1,108)	1:20:A:PHE:H	1:19:A:TYR:H	3	0.44
(1,99)	1:32:A:ALA:HB1	1:32:A:ALA:H	10	0.44
(1,99)	1:32:A:ALA:HB2	1:32:A:ALA:H	10	0.44
(1,99)	1:32:A:ALA:HB3	1:32:A:ALA:H	10	0.44
(1,93)	1:16:A:ILE:H	1:17:A:GLN:H	6	0.44
(1,89)	1:12:A:LEU:H	1:11:A:VAL:H	2	0.44
(1,87)	1:12:A:LEU:H	1:11:A:VAL:H	9	0.44
(1,82)	1:37:A:ILE:HG12	1:37:A:ILE:H	1	0.44
(1,45)	1:12:A:LEU:HB2	1:12:A:LEU:H	8	0.44
(1,546)	1:5:A:LEU:HB3	1:5:A:LEU:HA	3	0.43
(1,520)	1:19:A:TYR:HA	1:19:A:TYR:HB3	1	0.43
(1,520)	1:19:A:TYR:HA	1:19:A:TYR:HB3	10	0.43
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG21	7	0.43
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG22	7	0.43
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG23	7	0.43
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG21	8	0.43
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG22	8	0.43
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG23	8	0.43
(1,439)	1:29:A:ILE:HG12	1:29:A:ILE:HB	10	0.43
(1,435)	1:24:A:THR:HG1	1:24:A:THR:HA	1	0.43
(1,416)	1:37:A:ILE:HG12	1:37:A:ILE:HA	1	0.43
(1,319)	1:23:A:PRO:HB3	1:23:A:PRO:HG2	10	0.43
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG21	6	0.43
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG22	6	0.43
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG23	6	0.43
(1,279)	1:16:A:ILE:HG21	1:16:A:ILE:HA	6	0.43
(1,279)	1:16:A:ILE:HG22	1:16:A:ILE:HA	6	0.43
(1,279)	1:16:A:ILE:HG23	1:16:A:ILE:HA	6	0.43
(1,279)	1:16:A:ILE:HG21	1:16:A:ILE:HA	7	0.43
(1,279)	1:16:A:ILE:HG22	1:16:A:ILE:HA	7	0.43
(1,279)	1:16:A:ILE:HG23	1:16:A:ILE:HA	7	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:17:A:GLN:HA	1:17:A:GLN:HB3	7	0.43
(1,215)	1:26:A:PHE:HA	1:26:A:PHE:HB2	4	0.43
(1,206)	1:36:A:ARG:HA	1:36:A:ARG:HB2	10	0.43
(1,157)	1:4:A:ILE:H	1:3:A:VAL:HB	10	0.43
(1,95)	1:14:A:ASP:HB3	1:14:A:ASP:H	1	0.43
(1,77)	1:5:A:LEU:H	1:5:A:LEU:HB2	6	0.43
(1,50)	1:8:A:VAL:HG21	1:8:A:VAL:H	3	0.43
(1,50)	1:8:A:VAL:HG22	1:8:A:VAL:H	3	0.43
(1,50)	1:8:A:VAL:HG23	1:8:A:VAL:H	3	0.43
(1,4)	1:19:A:TYR:HB2	1:19:A:TYR:H	3	0.43
(1,4)	1:19:A:TYR:HB2	1:19:A:TYR:H	6	0.43
(1,562)	1:27:A:ARG:HD3	1:27:A:ARG:HB2	10	0.42
(1,559)	1:27:A:ARG:HB2	1:27:A:ARG:HG2	5	0.42
(1,552)	1:7:A:ILE:HB	1:7:A:ILE:HG12	3	0.42
(1,546)	1:5:A:LEU:HB3	1:5:A:LEU:HA	5	0.42
(1,546)	1:5:A:LEU:HB3	1:5:A:LEU:HA	6	0.42
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG11	1	0.42
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG12	1	0.42
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG13	1	0.42
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD11	5	0.42
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD12	5	0.42
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD13	5	0.42
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG21	4	0.42
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG22	4	0.42
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG23	4	0.42
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG21	10	0.42
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG22	10	0.42
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG23	10	0.42
(1,439)	1:29:A:ILE:HG12	1:29:A:ILE:HB	2	0.42
(1,439)	1:29:A:ILE:HG12	1:29:A:ILE:HB	3	0.42
(1,435)	1:24:A:THR:HG1	1:24:A:THR:HA	10	0.42
(1,350)	1:27:A:ARG:HB2	1:27:A:ARG:HD3	10	0.42
(1,338)	1:15:A:ILE:HB	1:12:A:LEU:HA	8	0.42
(1,314)	1:17:A:GLN:HA	1:17:A:GLN:HG3	9	0.42
(1,279)	1:16:A:ILE:HG21	1:16:A:ILE:HA	4	0.42
(1,279)	1:16:A:ILE:HG22	1:16:A:ILE:HA	4	0.42
(1,279)	1:16:A:ILE:HG23	1:16:A:ILE:HA	4	0.42
(1,261)	1:17:A:GLN:HA	1:17:A:GLN:HB3	8	0.42
(1,259)	1:14:A:ASP:HB3	1:11:A:VAL:HA	1	0.42
(1,252)	1:17:A:GLN:HA	1:17:A:GLN:HG3	1	0.42
(1,221)	1:12:A:LEU:HA	1:12:A:LEU:HB3	8	0.42
(1,221)	1:12:A:LEU:HA	1:12:A:LEU:HB3	9	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,221)	1:12:A:LEU:HA	1:12:A:LEU:HB3	10	0.42
(1,215)	1:26:A:PHE:HA	1:26:A:PHE:HB2	8	0.42
(1,204)	1:14:A:ASP:HB2	1:14:A:ASP:HA	9	0.42
(1,106)	1:14:A:ASP:H	1:13:A:SER:H	10	0.42
(1,95)	1:14:A:ASP:HB3	1:14:A:ASP:H	3	0.42
(1,93)	1:16:A:ILE:H	1:17:A:GLN:H	3	0.42
(1,87)	1:12:A:LEU:H	1:11:A:VAL:H	4	0.42
(1,63)	1:31:A:LEU:HB2	1:31:A:LEU:H	4	0.42
(1,60)	1:27:A:ARG:HB2	1:27:A:ARG:H	9	0.42
(1,50)	1:8:A:VAL:HG21	1:8:A:VAL:H	1	0.42
(1,50)	1:8:A:VAL:HG22	1:8:A:VAL:H	1	0.42
(1,50)	1:8:A:VAL:HG23	1:8:A:VAL:H	1	0.42
(1,26)	1:21:A:PHE:HB2	1:21:A:PHE:H	1	0.42
(1,562)	1:27:A:ARG:HD3	1:27:A:ARG:HB2	1	0.41
(1,549)	1:7:A:ILE:HB	1:7:A:ILE:HA	6	0.41
(1,546)	1:5:A:LEU:HB3	1:5:A:LEU:HA	8	0.41
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG11	3	0.41
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG12	3	0.41
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG13	3	0.41
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG21	1	0.41
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG22	1	0.41
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG23	1	0.41
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG21	3	0.41
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG22	3	0.41
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG23	3	0.41
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG21	5	0.41
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG22	5	0.41
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG23	5	0.41
(1,402)	1:27:A:ARG:HB2	1:27:A:ARG:HG3	2	0.41
(1,383)	1:16:A:ILE:HG13	1:16:A:ILE:HA	7	0.41
(1,372)	1:29:A:ILE:HB	1:29:A:ILE:HG12	8	0.41
(1,350)	1:27:A:ARG:HB2	1:27:A:ARG:HD3	1	0.41
(1,314)	1:17:A:GLN:HA	1:17:A:GLN:HG3	7	0.41
(1,276)	1:16:A:ILE:HA	1:16:A:ILE:HG13	7	0.41
(1,221)	1:12:A:LEU:HA	1:12:A:LEU:HB3	1	0.41
(1,221)	1:12:A:LEU:HA	1:12:A:LEU:HB3	3	0.41
(1,221)	1:12:A:LEU:HA	1:12:A:LEU:HB3	5	0.41
(1,221)	1:12:A:LEU:HA	1:12:A:LEU:HB3	6	0.41
(1,216)	1:26:A:PHE:HA	1:26:A:PHE:HB3	5	0.41
(1,206)	1:36:A:ARG:HA	1:36:A:ARG:HB2	4	0.41
(1,125)	1:7:A:ILE:HB	1:8:A:VAL:H	10	0.41
(1,99)	1:32:A:ALA:HB1	1:32:A:ALA:H	6	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:32:A:ALA:HB2	1:32:A:ALA:H	6	0.41
(1,99)	1:32:A:ALA:HB3	1:32:A:ALA:H	6	0.41
(1,95)	1:14:A:ASP:HB3	1:14:A:ASP:H	7	0.41
(1,93)	1:16:A:ILE:H	1:17:A:GLN:H	9	0.41
(1,92)	1:20:A:PHE:H	1:21:A:PHE:H	4	0.41
(1,63)	1:31:A:LEU:HB2	1:31:A:LEU:H	2	0.41
(1,63)	1:31:A:LEU:HB2	1:31:A:LEU:H	3	0.41
(1,49)	1:8:A:VAL:HB	1:8:A:VAL:H	7	0.41
(1,49)	1:8:A:VAL:HB	1:8:A:VAL:H	8	0.41
(1,49)	1:8:A:VAL:HB	1:8:A:VAL:H	10	0.41
(1,23)	1:20:A:PHE:H	1:20:A:PHE:HB2	1	0.41
(1,5)	1:19:A:TYR:HB3	1:19:A:TYR:H	5	0.41
(1,546)	1:5:A:LEU:HB3	1:5:A:LEU:HA	4	0.4
(1,546)	1:5:A:LEU:HB3	1:5:A:LEU:HA	7	0.4
(1,546)	1:5:A:LEU:HB3	1:5:A:LEU:HA	10	0.4
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD11	10	0.4
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD12	10	0.4
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD13	10	0.4
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG11	4	0.4
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG12	4	0.4
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG13	4	0.4
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG11	7	0.4
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG12	7	0.4
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG13	7	0.4
(1,518)	1:14:A:ASP:HB2	1:11:A:VAL:HA	7	0.4
(1,439)	1:29:A:ILE:HG12	1:29:A:ILE:HB	5	0.4
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG21	1	0.4
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG22	1	0.4
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG23	1	0.4
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG21	4	0.4
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG22	4	0.4
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG23	4	0.4
(1,383)	1:16:A:ILE:HG13	1:16:A:ILE:HA	5	0.4
(1,353)	1:34:A:ILE:HG12	1:34:A:ILE:HB	6	0.4
(1,279)	1:16:A:ILE:HG21	1:16:A:ILE:HA	2	0.4
(1,279)	1:16:A:ILE:HG22	1:16:A:ILE:HA	2	0.4
(1,279)	1:16:A:ILE:HG23	1:16:A:ILE:HA	2	0.4
(1,276)	1:16:A:ILE:HA	1:16:A:ILE:HG13	5	0.4
(1,268)	1:15:A:ILE:HG12	1:15:A:ILE:HA	7	0.4
(1,263)	1:24:A:THR:HA	1:24:A:THR:HG1	8	0.4
(1,261)	1:17:A:GLN:HA	1:17:A:GLN:HB3	4	0.4
(1,221)	1:12:A:LEU:HA	1:12:A:LEU:HB3	2	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,221)	1:12:A:LEU:HA	1:12:A:LEU:HB3	7	0.4
(1,216)	1:26:A:PHE:HA	1:26:A:PHE:HB3	1	0.4
(1,204)	1:14:A:ASP:HB2	1:14:A:ASP:HA	4	0.4
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG21	3	0.4
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG22	3	0.4
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG23	3	0.4
(1,125)	1:7:A:ILE:HB	1:8:A:VAL:H	9	0.4
(1,106)	1:14:A:ASP:H	1:13:A:SER:H	9	0.4
(1,96)	1:14:A:ASP:HB2	1:14:A:ASP:H	7	0.4
(1,77)	1:5:A:LEU:H	1:5:A:LEU:HB2	3	0.4
(1,77)	1:5:A:LEU:H	1:5:A:LEU:HB2	5	0.4
(1,75)	1:15:A:ILE:H	1:16:A:ILE:H	4	0.4
(1,63)	1:31:A:LEU:HB2	1:31:A:LEU:H	6	0.4
(1,63)	1:31:A:LEU:HB2	1:31:A:LEU:H	7	0.4
(1,63)	1:31:A:LEU:HB2	1:31:A:LEU:H	9	0.4
(1,50)	1:8:A:VAL:HG21	1:8:A:VAL:H	7	0.4
(1,50)	1:8:A:VAL:HG22	1:8:A:VAL:H	7	0.4
(1,50)	1:8:A:VAL:HG23	1:8:A:VAL:H	7	0.4
(1,49)	1:8:A:VAL:HB	1:8:A:VAL:H	4	0.4
(1,549)	1:7:A:ILE:HB	1:7:A:ILE:HA	1	0.39
(1,549)	1:7:A:ILE:HB	1:7:A:ILE:HA	9	0.39
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG11	5	0.39
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG12	5	0.39
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG13	5	0.39
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG11	8	0.39
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG12	8	0.39
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG13	8	0.39
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG11	10	0.39
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG12	10	0.39
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG13	10	0.39
(1,520)	1:19:A:TYR:HA	1:19:A:TYR:HB3	5	0.39
(1,435)	1:24:A:THR:HG1	1:24:A:THR:HA	4	0.39
(1,435)	1:24:A:THR:HG1	1:24:A:THR:HA	9	0.39
(1,432)	1:7:A:ILE:HG13	1:7:A:ILE:HB	3	0.39
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG21	8	0.39
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG22	8	0.39
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG23	8	0.39
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG21	9	0.39
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG22	9	0.39
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG23	9	0.39
(1,372)	1:29:A:ILE:HB	1:29:A:ILE:HG12	1	0.39
(1,307)	1:14:A:ASP:HB3	1:11:A:VAL:HA	3	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,245)	1:18:A:LYS:HA	1:18:A:LYS:HB2	9	0.39
(1,221)	1:12:A:LEU:HA	1:12:A:LEU:HB3	4	0.39
(1,180)	1:23:A:PRO:HD3	1:24:A:THR:HB	8	0.39
(1,125)	1:7:A:ILE:HB	1:8:A:VAL:H	4	0.39
(1,96)	1:14:A:ASP:HB2	1:14:A:ASP:H	10	0.39
(1,89)	1:12:A:LEU:H	1:11:A:VAL:H	6	0.39
(1,50)	1:8:A:VAL:HG21	1:8:A:VAL:H	10	0.39
(1,50)	1:8:A:VAL:HG22	1:8:A:VAL:H	10	0.39
(1,50)	1:8:A:VAL:HG23	1:8:A:VAL:H	10	0.39
(1,49)	1:8:A:VAL:HB	1:8:A:VAL:H	5	0.39
(1,26)	1:21:A:PHE:HB2	1:21:A:PHE:H	9	0.39
(1,549)	1:7:A:ILE:HB	1:7:A:ILE:HA	2	0.38
(1,549)	1:7:A:ILE:HB	1:7:A:ILE:HA	3	0.38
(1,549)	1:7:A:ILE:HB	1:7:A:ILE:HA	5	0.38
(1,549)	1:7:A:ILE:HB	1:7:A:ILE:HA	7	0.38
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD11	3	0.38
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD12	3	0.38
(1,542)	1:25:A:LEU:HA	1:25:A:LEU:HD13	3	0.38
(1,509)	1:11:A:VAL:HG11	1:11:A:VAL:HB	1	0.38
(1,509)	1:11:A:VAL:HG12	1:11:A:VAL:HB	1	0.38
(1,509)	1:11:A:VAL:HG13	1:11:A:VAL:HB	1	0.38
(1,509)	1:11:A:VAL:HG11	1:11:A:VAL:HB	7	0.38
(1,509)	1:11:A:VAL:HG12	1:11:A:VAL:HB	7	0.38
(1,509)	1:11:A:VAL:HG13	1:11:A:VAL:HB	7	0.38
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG21	6	0.38
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG22	6	0.38
(1,449)	1:8:A:VAL:HA	1:8:A:VAL:HG23	6	0.38
(1,444)	1:16:A:ILE:HG12	1:16:A:ILE:HB	2	0.38
(1,444)	1:16:A:ILE:HG12	1:16:A:ILE:HB	3	0.38
(1,444)	1:16:A:ILE:HG12	1:16:A:ILE:HB	4	0.38
(1,444)	1:16:A:ILE:HG12	1:16:A:ILE:HB	5	0.38
(1,444)	1:16:A:ILE:HG12	1:16:A:ILE:HB	6	0.38
(1,444)	1:16:A:ILE:HG12	1:16:A:ILE:HB	8	0.38
(1,444)	1:16:A:ILE:HG12	1:16:A:ILE:HB	9	0.38
(1,432)	1:7:A:ILE:HG13	1:7:A:ILE:HB	1	0.38
(1,427)	1:10:A:THR:HG1	1:10:A:THR:HA	5	0.38
(1,418)	1:37:A:ILE:HB	1:37:A:ILE:HG12	2	0.38
(1,418)	1:37:A:ILE:HB	1:37:A:ILE:HG12	6	0.38
(1,418)	1:37:A:ILE:HB	1:37:A:ILE:HG12	7	0.38
(1,372)	1:29:A:ILE:HB	1:29:A:ILE:HG12	6	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG21	1	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG22	1	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG23	1	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG21	2	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG22	2	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG23	2	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG21	3	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG22	3	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG23	3	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG21	4	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG22	4	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG23	4	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG21	5	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG22	5	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG23	5	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG21	6	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG22	6	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG23	6	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG21	7	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG22	7	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG23	7	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG21	8	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG22	8	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG23	8	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG21	9	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG22	9	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG23	9	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG21	10	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG22	10	0.38
(1,356)	1:16:A:ILE:HB	1:16:A:ILE:HG23	10	0.38
(1,318)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	1	0.38
(1,318)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	2	0.38
(1,318)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	3	0.38
(1,318)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	5	0.38
(1,318)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	7	0.38
(1,318)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	8	0.38
(1,318)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	9	0.38
(1,318)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	10	0.38
(1,314)	1:17:A:GLN:HA	1:17:A:GLN:HG3	3	0.38
(1,299)	1:36:A:ARG:HD2	1:34:A:ILE:HG21	10	0.38
(1,299)	1:36:A:ARG:HD2	1:34:A:ILE:HG22	10	0.38
(1,299)	1:36:A:ARG:HD2	1:34:A:ILE:HG23	10	0.38
(1,259)	1:14:A:ASP:HB3	1:11:A:VAL:HA	7	0.38
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG21	4	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG22	4	0.38
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG23	4	0.38
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG21	4	0.38
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG22	4	0.38
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG23	4	0.38
(1,180)	1:23:A:PRO:HD3	1:24:A:THR:HB	5	0.38
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG21	6	0.38
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG22	6	0.38
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG23	6	0.38
(1,96)	1:14:A:ASP:HB2	1:14:A:ASP:H	1	0.38
(1,96)	1:14:A:ASP:HB2	1:14:A:ASP:H	2	0.38
(1,95)	1:14:A:ASP:HB3	1:14:A:ASP:H	2	0.38
(1,95)	1:14:A:ASP:HB3	1:14:A:ASP:H	10	0.38
(1,88)	1:13:A:SER:H	1:12:A:LEU:H	9	0.38
(1,63)	1:31:A:LEU:HB2	1:31:A:LEU:H	10	0.38
(1,60)	1:27:A:ARG:HB2	1:27:A:ARG:H	1	0.38
(1,60)	1:27:A:ARG:HB2	1:27:A:ARG:H	2	0.38
(1,50)	1:8:A:VAL:HG21	1:8:A:VAL:H	4	0.38
(1,50)	1:8:A:VAL:HG22	1:8:A:VAL:H	4	0.38
(1,50)	1:8:A:VAL:HG23	1:8:A:VAL:H	4	0.38
(1,49)	1:8:A:VAL:HB	1:8:A:VAL:H	3	0.38
(1,549)	1:7:A:ILE:HB	1:7:A:ILE:HA	4	0.37
(1,549)	1:7:A:ILE:HB	1:7:A:ILE:HA	8	0.37
(1,549)	1:7:A:ILE:HB	1:7:A:ILE:HA	10	0.37
(1,544)	1:3:A:VAL:HG21	1:3:A:VAL:HB	1	0.37
(1,544)	1:3:A:VAL:HG22	1:3:A:VAL:HB	1	0.37
(1,544)	1:3:A:VAL:HG23	1:3:A:VAL:HB	1	0.37
(1,544)	1:3:A:VAL:HG21	1:3:A:VAL:HB	2	0.37
(1,544)	1:3:A:VAL:HG22	1:3:A:VAL:HB	2	0.37
(1,544)	1:3:A:VAL:HG23	1:3:A:VAL:HB	2	0.37
(1,544)	1:3:A:VAL:HG21	1:3:A:VAL:HB	3	0.37
(1,544)	1:3:A:VAL:HG22	1:3:A:VAL:HB	3	0.37
(1,544)	1:3:A:VAL:HG23	1:3:A:VAL:HB	3	0.37
(1,544)	1:3:A:VAL:HG21	1:3:A:VAL:HB	4	0.37
(1,544)	1:3:A:VAL:HG22	1:3:A:VAL:HB	4	0.37
(1,544)	1:3:A:VAL:HG23	1:3:A:VAL:HB	4	0.37
(1,544)	1:3:A:VAL:HG21	1:3:A:VAL:HB	5	0.37
(1,544)	1:3:A:VAL:HG22	1:3:A:VAL:HB	5	0.37
(1,544)	1:3:A:VAL:HG23	1:3:A:VAL:HB	5	0.37
(1,544)	1:3:A:VAL:HG21	1:3:A:VAL:HB	6	0.37
(1,544)	1:3:A:VAL:HG22	1:3:A:VAL:HB	6	0.37
(1,544)	1:3:A:VAL:HG23	1:3:A:VAL:HB	6	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:3:A:VAL:HG21	1:3:A:VAL:HB	7	0.37
(1,544)	1:3:A:VAL:HG22	1:3:A:VAL:HB	7	0.37
(1,544)	1:3:A:VAL:HG23	1:3:A:VAL:HB	7	0.37
(1,544)	1:3:A:VAL:HG21	1:3:A:VAL:HB	8	0.37
(1,544)	1:3:A:VAL:HG22	1:3:A:VAL:HB	8	0.37
(1,544)	1:3:A:VAL:HG23	1:3:A:VAL:HB	8	0.37
(1,544)	1:3:A:VAL:HG21	1:3:A:VAL:HB	9	0.37
(1,544)	1:3:A:VAL:HG22	1:3:A:VAL:HB	9	0.37
(1,544)	1:3:A:VAL:HG23	1:3:A:VAL:HB	9	0.37
(1,544)	1:3:A:VAL:HG21	1:3:A:VAL:HB	10	0.37
(1,544)	1:3:A:VAL:HG22	1:3:A:VAL:HB	10	0.37
(1,544)	1:3:A:VAL:HG23	1:3:A:VAL:HB	10	0.37
(1,528)	1:28:A:VAL:HG21	1:28:A:VAL:HB	1	0.37
(1,528)	1:28:A:VAL:HG22	1:28:A:VAL:HB	1	0.37
(1,528)	1:28:A:VAL:HG23	1:28:A:VAL:HB	1	0.37
(1,528)	1:28:A:VAL:HG21	1:28:A:VAL:HB	2	0.37
(1,528)	1:28:A:VAL:HG22	1:28:A:VAL:HB	2	0.37
(1,528)	1:28:A:VAL:HG23	1:28:A:VAL:HB	2	0.37
(1,528)	1:28:A:VAL:HG21	1:28:A:VAL:HB	3	0.37
(1,528)	1:28:A:VAL:HG22	1:28:A:VAL:HB	3	0.37
(1,528)	1:28:A:VAL:HG23	1:28:A:VAL:HB	3	0.37
(1,528)	1:28:A:VAL:HG21	1:28:A:VAL:HB	4	0.37
(1,528)	1:28:A:VAL:HG22	1:28:A:VAL:HB	4	0.37
(1,528)	1:28:A:VAL:HG23	1:28:A:VAL:HB	4	0.37
(1,528)	1:28:A:VAL:HG21	1:28:A:VAL:HB	5	0.37
(1,528)	1:28:A:VAL:HG22	1:28:A:VAL:HB	5	0.37
(1,528)	1:28:A:VAL:HG23	1:28:A:VAL:HB	5	0.37
(1,528)	1:28:A:VAL:HG21	1:28:A:VAL:HB	6	0.37
(1,528)	1:28:A:VAL:HG22	1:28:A:VAL:HB	6	0.37
(1,528)	1:28:A:VAL:HG23	1:28:A:VAL:HB	6	0.37
(1,528)	1:28:A:VAL:HG21	1:28:A:VAL:HB	7	0.37
(1,528)	1:28:A:VAL:HG22	1:28:A:VAL:HB	7	0.37
(1,528)	1:28:A:VAL:HG23	1:28:A:VAL:HB	7	0.37
(1,528)	1:28:A:VAL:HG21	1:28:A:VAL:HB	8	0.37
(1,528)	1:28:A:VAL:HG22	1:28:A:VAL:HB	8	0.37
(1,528)	1:28:A:VAL:HG23	1:28:A:VAL:HB	8	0.37
(1,528)	1:28:A:VAL:HG21	1:28:A:VAL:HB	9	0.37
(1,528)	1:28:A:VAL:HG22	1:28:A:VAL:HB	9	0.37
(1,528)	1:28:A:VAL:HG23	1:28:A:VAL:HB	9	0.37
(1,528)	1:28:A:VAL:HG21	1:28:A:VAL:HB	10	0.37
(1,528)	1:28:A:VAL:HG22	1:28:A:VAL:HB	10	0.37
(1,528)	1:28:A:VAL:HG23	1:28:A:VAL:HB	10	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	1:11:A:VAL:HG11	1:11:A:VAL:HB	2	0.37
(1,509)	1:11:A:VAL:HG12	1:11:A:VAL:HB	2	0.37
(1,509)	1:11:A:VAL:HG13	1:11:A:VAL:HB	2	0.37
(1,509)	1:11:A:VAL:HG11	1:11:A:VAL:HB	3	0.37
(1,509)	1:11:A:VAL:HG12	1:11:A:VAL:HB	3	0.37
(1,509)	1:11:A:VAL:HG13	1:11:A:VAL:HB	3	0.37
(1,509)	1:11:A:VAL:HG11	1:11:A:VAL:HB	4	0.37
(1,509)	1:11:A:VAL:HG12	1:11:A:VAL:HB	4	0.37
(1,509)	1:11:A:VAL:HG13	1:11:A:VAL:HB	4	0.37
(1,509)	1:11:A:VAL:HG11	1:11:A:VAL:HB	5	0.37
(1,509)	1:11:A:VAL:HG12	1:11:A:VAL:HB	5	0.37
(1,509)	1:11:A:VAL:HG13	1:11:A:VAL:HB	5	0.37
(1,509)	1:11:A:VAL:HG11	1:11:A:VAL:HB	6	0.37
(1,509)	1:11:A:VAL:HG12	1:11:A:VAL:HB	6	0.37
(1,509)	1:11:A:VAL:HG13	1:11:A:VAL:HB	6	0.37
(1,509)	1:11:A:VAL:HG11	1:11:A:VAL:HB	8	0.37
(1,509)	1:11:A:VAL:HG12	1:11:A:VAL:HB	8	0.37
(1,509)	1:11:A:VAL:HG13	1:11:A:VAL:HB	8	0.37
(1,509)	1:11:A:VAL:HG11	1:11:A:VAL:HB	9	0.37
(1,509)	1:11:A:VAL:HG12	1:11:A:VAL:HB	9	0.37
(1,509)	1:11:A:VAL:HG13	1:11:A:VAL:HB	9	0.37
(1,509)	1:11:A:VAL:HG11	1:11:A:VAL:HB	10	0.37
(1,509)	1:11:A:VAL:HG12	1:11:A:VAL:HB	10	0.37
(1,509)	1:11:A:VAL:HG13	1:11:A:VAL:HB	10	0.37
(1,459)	1:28:A:VAL:HG11	1:28:A:VAL:HA	8	0.37
(1,459)	1:28:A:VAL:HG12	1:28:A:VAL:HA	8	0.37
(1,459)	1:28:A:VAL:HG13	1:28:A:VAL:HA	8	0.37
(1,444)	1:16:A:ILE:HG12	1:16:A:ILE:HB	1	0.37
(1,444)	1:16:A:ILE:HG12	1:16:A:ILE:HB	7	0.37
(1,444)	1:16:A:ILE:HG12	1:16:A:ILE:HB	10	0.37
(1,435)	1:24:A:THR:HG1	1:24:A:THR:HA	3	0.37
(1,432)	1:7:A:ILE:HG13	1:7:A:ILE:HB	6	0.37
(1,418)	1:37:A:ILE:HB	1:37:A:ILE:HG12	4	0.37
(1,383)	1:16:A:ILE:HG13	1:16:A:ILE:HA	9	0.37
(1,383)	1:16:A:ILE:HG13	1:16:A:ILE:HA	10	0.37
(1,372)	1:29:A:ILE:HB	1:29:A:ILE:HG12	7	0.37
(1,318)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	4	0.37
(1,318)	1:23:A:PRO:HB3	1:23:A:PRO:HG3	6	0.37
(1,295)	1:36:A:ARG:HD2	1:36:A:ARG:HA	5	0.37
(1,276)	1:16:A:ILE:HA	1:16:A:ILE:HG13	9	0.37
(1,276)	1:16:A:ILE:HA	1:16:A:ILE:HG13	10	0.37
(1,225)	1:34:A:ILE:HG12	1:31:A:LEU:HA	6	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:26:A:PHE:HA	1:26:A:PHE:HB3	7	0.37
(1,216)	1:26:A:PHE:HA	1:26:A:PHE:HB3	9	0.37
(1,183)	1:21:A:PHE:HD1	1:16:A:ILE:HG21	8	0.37
(1,183)	1:21:A:PHE:HD1	1:16:A:ILE:HG22	8	0.37
(1,183)	1:21:A:PHE:HD1	1:16:A:ILE:HG23	8	0.37
(1,183)	1:21:A:PHE:HD2	1:16:A:ILE:HG21	8	0.37
(1,183)	1:21:A:PHE:HD2	1:16:A:ILE:HG22	8	0.37
(1,183)	1:21:A:PHE:HD2	1:16:A:ILE:HG23	8	0.37
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG21	10	0.37
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG22	10	0.37
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG23	10	0.37
(1,167)	1:5:A:LEU:HA	1:5:A:LEU:HB3	1	0.37
(1,120)	1:10:A:THR:HB	1:11:A:VAL:H	9	0.37
(1,111)	1:32:A:ALA:HB1	1:33:A:ARG:H	10	0.37
(1,111)	1:32:A:ALA:HB2	1:33:A:ARG:H	10	0.37
(1,111)	1:32:A:ALA:HB3	1:33:A:ARG:H	10	0.37
(1,108)	1:20:A:PHE:H	1:19:A:TYR:H	6	0.37
(1,95)	1:14:A:ASP:HB3	1:14:A:ASP:H	6	0.37
(1,87)	1:12:A:LEU:H	1:11:A:VAL:H	1	0.37
(1,63)	1:31:A:LEU:HB2	1:31:A:LEU:H	8	0.37
(1,60)	1:27:A:ARG:HB2	1:27:A:ARG:H	10	0.37
(1,50)	1:8:A:VAL:HG21	1:8:A:VAL:H	8	0.37
(1,50)	1:8:A:VAL:HG22	1:8:A:VAL:H	8	0.37
(1,50)	1:8:A:VAL:HG23	1:8:A:VAL:H	8	0.37
(1,26)	1:21:A:PHE:HB2	1:21:A:PHE:H	6	0.37
(1,20)	1:17:A:GLN:HB2	1:17:A:GLN:H	10	0.37
(1,5)	1:19:A:TYR:HB3	1:19:A:TYR:H	8	0.37
(1,563)	1:24:A:THR:HA	1:27:A:ARG:HB2	8	0.36
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG11	9	0.36
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG12	9	0.36
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG13	9	0.36
(1,508)	1:11:A:VAL:HG11	1:11:A:VAL:HA	9	0.36
(1,508)	1:11:A:VAL:HG12	1:11:A:VAL:HA	9	0.36
(1,508)	1:11:A:VAL:HG13	1:11:A:VAL:HA	9	0.36
(1,492)	1:26:A:PHE:HA	1:29:A:ILE:HD11	5	0.36
(1,492)	1:26:A:PHE:HA	1:29:A:ILE:HD12	5	0.36
(1,492)	1:26:A:PHE:HA	1:29:A:ILE:HD13	5	0.36
(1,474)	1:37:A:ILE:HG21	1:37:A:ILE:HA	4	0.36
(1,474)	1:37:A:ILE:HG22	1:37:A:ILE:HA	4	0.36
(1,474)	1:37:A:ILE:HG23	1:37:A:ILE:HA	4	0.36
(1,474)	1:37:A:ILE:HG21	1:37:A:ILE:HA	8	0.36
(1,474)	1:37:A:ILE:HG22	1:37:A:ILE:HA	8	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:37:A:ILE:HG23	1:37:A:ILE:HA	8	0.36
(1,402)	1:27:A:ARG:HB2	1:27:A:ARG:HG3	9	0.36
(1,385)	1:36:A:ARG:HB3	1:36:A:ARG:HA	2	0.36
(1,372)	1:29:A:ILE:HB	1:29:A:ILE:HG12	4	0.36
(1,372)	1:29:A:ILE:HB	1:29:A:ILE:HG12	9	0.36
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG21	2	0.36
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG22	2	0.36
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG23	2	0.36
(1,274)	1:16:A:ILE:HA	1:20:A:PHE:HB2	5	0.36
(1,204)	1:14:A:ASP:HB2	1:14:A:ASP:HA	1	0.36
(1,204)	1:14:A:ASP:HB2	1:14:A:ASP:HA	3	0.36
(1,199)	1:20:A:PHE:HA	1:20:A:PHE:HB2	2	0.36
(1,199)	1:20:A:PHE:HA	1:20:A:PHE:HB2	5	0.36
(1,182)	1:11:A:VAL:HG11	1:12:A:LEU:HA	7	0.36
(1,182)	1:11:A:VAL:HG12	1:12:A:LEU:HA	7	0.36
(1,182)	1:11:A:VAL:HG13	1:12:A:LEU:HA	7	0.36
(1,153)	1:27:A:ARG:HB2	1:28:A:VAL:H	4	0.36
(1,125)	1:7:A:ILE:HB	1:8:A:VAL:H	7	0.36
(1,96)	1:14:A:ASP:HB2	1:14:A:ASP:H	6	0.36
(1,95)	1:14:A:ASP:HB3	1:14:A:ASP:H	5	0.36
(1,87)	1:12:A:LEU:H	1:11:A:VAL:H	3	0.36
(1,63)	1:31:A:LEU:HB2	1:31:A:LEU:H	1	0.36
(1,63)	1:31:A:LEU:HB2	1:31:A:LEU:H	5	0.36
(1,50)	1:8:A:VAL:HG21	1:8:A:VAL:H	5	0.36
(1,50)	1:8:A:VAL:HG22	1:8:A:VAL:H	5	0.36
(1,50)	1:8:A:VAL:HG23	1:8:A:VAL:H	5	0.36
(1,49)	1:8:A:VAL:HB	1:8:A:VAL:H	1	0.36
(1,26)	1:21:A:PHE:HB2	1:21:A:PHE:H	8	0.36
(1,4)	1:19:A:TYR:HB2	1:19:A:TYR:H	9	0.36
(1,559)	1:27:A:ARG:HB2	1:27:A:ARG:HG2	10	0.35
(1,546)	1:5:A:LEU:HB3	1:5:A:LEU:HA	2	0.35
(1,508)	1:11:A:VAL:HG11	1:11:A:VAL:HA	3	0.35
(1,508)	1:11:A:VAL:HG12	1:11:A:VAL:HA	3	0.35
(1,508)	1:11:A:VAL:HG13	1:11:A:VAL:HA	3	0.35
(1,508)	1:11:A:VAL:HG11	1:11:A:VAL:HA	6	0.35
(1,508)	1:11:A:VAL:HG12	1:11:A:VAL:HA	6	0.35
(1,508)	1:11:A:VAL:HG13	1:11:A:VAL:HA	6	0.35
(1,508)	1:11:A:VAL:HG11	1:11:A:VAL:HA	8	0.35
(1,508)	1:11:A:VAL:HG12	1:11:A:VAL:HA	8	0.35
(1,508)	1:11:A:VAL:HG13	1:11:A:VAL:HA	8	0.35
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD11	2	0.35
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD12	2	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD13	2	0.35
(1,427)	1:10:A:THR:HG1	1:10:A:THR:HA	9	0.35
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG21	2	0.35
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG22	2	0.35
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG23	2	0.35
(1,402)	1:27:A:ARG:HB2	1:27:A:ARG:HG3	6	0.35
(1,383)	1:16:A:ILE:HG13	1:16:A:ILE:HA	3	0.35
(1,276)	1:16:A:ILE:HA	1:16:A:ILE:HG13	3	0.35
(1,268)	1:15:A:ILE:HG12	1:15:A:ILE:HA	4	0.35
(1,263)	1:24:A:THR:HA	1:24:A:THR:HG1	6	0.35
(1,216)	1:26:A:PHE:HA	1:26:A:PHE:HB3	10	0.35
(1,204)	1:14:A:ASP:HB2	1:14:A:ASP:HA	7	0.35
(1,183)	1:21:A:PHE:HD1	1:16:A:ILE:HG21	2	0.35
(1,183)	1:21:A:PHE:HD1	1:16:A:ILE:HG22	2	0.35
(1,183)	1:21:A:PHE:HD1	1:16:A:ILE:HG23	2	0.35
(1,183)	1:21:A:PHE:HD2	1:16:A:ILE:HG21	2	0.35
(1,183)	1:21:A:PHE:HD2	1:16:A:ILE:HG22	2	0.35
(1,183)	1:21:A:PHE:HD2	1:16:A:ILE:HG23	2	0.35
(1,177)	1:26:A:PHE:HD1	1:30:A:ARG:HD3	4	0.35
(1,177)	1:26:A:PHE:HD2	1:30:A:ARG:HD3	4	0.35
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG21	7	0.35
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG22	7	0.35
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG23	7	0.35
(1,99)	1:32:A:ALA:HB1	1:32:A:ALA:H	5	0.35
(1,99)	1:32:A:ALA:HB2	1:32:A:ALA:H	5	0.35
(1,99)	1:32:A:ALA:HB3	1:32:A:ALA:H	5	0.35
(1,99)	1:32:A:ALA:HB1	1:32:A:ALA:H	8	0.35
(1,99)	1:32:A:ALA:HB2	1:32:A:ALA:H	8	0.35
(1,99)	1:32:A:ALA:HB3	1:32:A:ALA:H	8	0.35
(1,99)	1:32:A:ALA:HB1	1:32:A:ALA:H	9	0.35
(1,99)	1:32:A:ALA:HB2	1:32:A:ALA:H	9	0.35
(1,99)	1:32:A:ALA:HB3	1:32:A:ALA:H	9	0.35
(1,89)	1:12:A:LEU:H	1:11:A:VAL:H	7	0.35
(1,88)	1:13:A:SER:H	1:12:A:LEU:H	5	0.35
(1,87)	1:12:A:LEU:H	1:11:A:VAL:H	5	0.35
(1,87)	1:12:A:LEU:H	1:11:A:VAL:H	10	0.35
(1,60)	1:27:A:ARG:HB2	1:27:A:ARG:H	6	0.35
(1,49)	1:8:A:VAL:HB	1:8:A:VAL:H	6	0.35
(1,24)	1:20:A:PHE:H	1:21:A:PHE:H	2	0.35
(1,5)	1:19:A:TYR:HB3	1:19:A:TYR:H	1	0.35
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD21	9	0.34
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD22	9	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD23	9	0.34
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG11	2	0.34
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG12	2	0.34
(1,532)	1:8:A:VAL:HA	1:8:A:VAL:HG13	2	0.34
(1,508)	1:11:A:VAL:HG11	1:11:A:VAL:HA	10	0.34
(1,508)	1:11:A:VAL:HG12	1:11:A:VAL:HA	10	0.34
(1,508)	1:11:A:VAL:HG13	1:11:A:VAL:HA	10	0.34
(1,474)	1:37:A:ILE:HG21	1:37:A:ILE:HA	5	0.34
(1,474)	1:37:A:ILE:HG22	1:37:A:ILE:HA	5	0.34
(1,474)	1:37:A:ILE:HG23	1:37:A:ILE:HA	5	0.34
(1,427)	1:10:A:THR:HG1	1:10:A:THR:HA	3	0.34
(1,416)	1:37:A:ILE:HG12	1:37:A:ILE:HA	5	0.34
(1,367)	1:36:A:ARG:HB2	1:36:A:ARG:HA	8	0.34
(1,263)	1:24:A:THR:HA	1:24:A:THR:HG1	2	0.34
(1,261)	1:17:A:GLN:HA	1:17:A:GLN:HB3	10	0.34
(1,252)	1:17:A:GLN:HA	1:17:A:GLN:HG3	8	0.34
(1,208)	1:23:A:PRO:HB2	1:23:A:PRO:HA	7	0.34
(1,208)	1:23:A:PRO:HB2	1:23:A:PRO:HA	10	0.34
(1,204)	1:14:A:ASP:HB2	1:14:A:ASP:HA	2	0.34
(1,204)	1:14:A:ASP:HB2	1:14:A:ASP:HA	10	0.34
(1,199)	1:20:A:PHE:HA	1:20:A:PHE:HB2	4	0.34
(1,182)	1:11:A:VAL:HG11	1:12:A:LEU:HA	4	0.34
(1,182)	1:11:A:VAL:HG12	1:12:A:LEU:HA	4	0.34
(1,182)	1:11:A:VAL:HG13	1:12:A:LEU:HA	4	0.34
(1,161)	1:28:A:VAL:H	1:27:A:ARG:HG3	4	0.34
(1,111)	1:32:A:ALA:HB1	1:33:A:ARG:H	1	0.34
(1,111)	1:32:A:ALA:HB2	1:33:A:ARG:H	1	0.34
(1,111)	1:32:A:ALA:HB3	1:33:A:ARG:H	1	0.34
(1,99)	1:32:A:ALA:HB1	1:32:A:ALA:H	1	0.34
(1,99)	1:32:A:ALA:HB2	1:32:A:ALA:H	1	0.34
(1,99)	1:32:A:ALA:HB3	1:32:A:ALA:H	1	0.34
(1,99)	1:32:A:ALA:HB1	1:32:A:ALA:H	4	0.34
(1,99)	1:32:A:ALA:HB2	1:32:A:ALA:H	4	0.34
(1,99)	1:32:A:ALA:HB3	1:32:A:ALA:H	4	0.34
(1,99)	1:32:A:ALA:HB1	1:32:A:ALA:H	7	0.34
(1,99)	1:32:A:ALA:HB2	1:32:A:ALA:H	7	0.34
(1,99)	1:32:A:ALA:HB3	1:32:A:ALA:H	7	0.34
(1,96)	1:14:A:ASP:HB2	1:14:A:ASP:H	3	0.34
(1,89)	1:12:A:LEU:H	1:11:A:VAL:H	9	0.34
(1,88)	1:13:A:SER:H	1:12:A:LEU:H	3	0.34
(1,88)	1:13:A:SER:H	1:12:A:LEU:H	7	0.34
(1,88)	1:13:A:SER:H	1:12:A:LEU:H	10	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:15:A:ILE:H	1:16:A:ILE:H	9	0.34
(1,71)	1:17:A:GLN:H	1:16:A:ILE:H	6	0.34
(1,5)	1:19:A:TYR:HB3	1:19:A:TYR:H	10	0.34
(1,564)	1:28:A:VAL:HG21	1:25:A:LEU:HA	9	0.33
(1,564)	1:28:A:VAL:HG22	1:25:A:LEU:HA	9	0.33
(1,564)	1:28:A:VAL:HG23	1:25:A:LEU:HA	9	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG21	1	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG22	1	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG23	1	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG21	1	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG22	1	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG23	1	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG21	1	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG22	1	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG23	1	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG21	2	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG22	2	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG23	2	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG21	2	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG22	2	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG23	2	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG21	2	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG22	2	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG23	2	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG21	3	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG22	3	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG23	3	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG21	3	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG22	3	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG23	3	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG21	3	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG22	3	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG23	3	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG21	5	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG22	5	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG23	5	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG21	5	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG22	5	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG23	5	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG21	5	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG22	5	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG23	5	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG21	6	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG22	6	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG23	6	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG21	6	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG22	6	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG23	6	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG21	6	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG22	6	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG23	6	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG21	8	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG22	8	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG23	8	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG21	8	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG22	8	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG23	8	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG21	8	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG22	8	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG23	8	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG21	9	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG22	9	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG23	9	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG21	9	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG22	9	0.33
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG23	9	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG21	9	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG22	9	0.33
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG23	9	0.33
(1,518)	1:14:A:ASP:HB2	1:11:A:VAL:HA	1	0.33
(1,508)	1:11:A:VAL:HG11	1:11:A:VAL:HA	2	0.33
(1,508)	1:11:A:VAL:HG12	1:11:A:VAL:HA	2	0.33
(1,508)	1:11:A:VAL:HG13	1:11:A:VAL:HA	2	0.33
(1,508)	1:11:A:VAL:HG11	1:11:A:VAL:HA	5	0.33
(1,508)	1:11:A:VAL:HG12	1:11:A:VAL:HA	5	0.33
(1,508)	1:11:A:VAL:HG13	1:11:A:VAL:HA	5	0.33
(1,435)	1:24:A:THR:HG1	1:24:A:THR:HA	5	0.33
(1,383)	1:16:A:ILE:HG13	1:16:A:ILE:HA	1	0.33
(1,372)	1:29:A:ILE:HB	1:29:A:ILE:HG12	10	0.33
(1,348)	1:27:A:ARG:HB2	1:27:A:ARG:HA	4	0.33
(1,303)	1:30:A:ARG:HD3	1:30:A:ARG:HB2	10	0.33
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG21	7	0.33
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG22	7	0.33
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG23	7	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG21	8	0.33
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG22	8	0.33
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG23	8	0.33
(1,276)	1:16:A:ILE:HA	1:16:A:ILE:HG13	1	0.33
(1,269)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	8	0.33
(1,269)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	10	0.33
(1,263)	1:24:A:THR:HA	1:24:A:THR:HG1	1	0.33
(1,243)	1:25:A:LEU:HB2	1:25:A:LEU:HA	6	0.33
(1,208)	1:23:A:PRO:HB2	1:23:A:PRO:HA	1	0.33
(1,208)	1:23:A:PRO:HB2	1:23:A:PRO:HA	2	0.33
(1,208)	1:23:A:PRO:HB2	1:23:A:PRO:HA	3	0.33
(1,208)	1:23:A:PRO:HB2	1:23:A:PRO:HA	5	0.33
(1,208)	1:23:A:PRO:HB2	1:23:A:PRO:HA	8	0.33
(1,204)	1:14:A:ASP:HB2	1:14:A:ASP:HA	6	0.33
(1,182)	1:11:A:VAL:HG11	1:12:A:LEU:HA	1	0.33
(1,182)	1:11:A:VAL:HG12	1:12:A:LEU:HA	1	0.33
(1,182)	1:11:A:VAL:HG13	1:12:A:LEU:HA	1	0.33
(1,182)	1:11:A:VAL:HG11	1:12:A:LEU:HA	3	0.33
(1,182)	1:11:A:VAL:HG12	1:12:A:LEU:HA	3	0.33
(1,182)	1:11:A:VAL:HG13	1:12:A:LEU:HA	3	0.33
(1,182)	1:11:A:VAL:HG11	1:12:A:LEU:HA	9	0.33
(1,182)	1:11:A:VAL:HG12	1:12:A:LEU:HA	9	0.33
(1,182)	1:11:A:VAL:HG13	1:12:A:LEU:HA	9	0.33
(1,179)	1:19:A:TYR:HB2	1:18:A:LYS:HD2	5	0.33
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG21	8	0.33
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG22	8	0.33
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG23	8	0.33
(1,161)	1:28:A:VAL:H	1:27:A:ARG:HG3	7	0.33
(1,157)	1:4:A:ILE:H	1:3:A:VAL:HB	5	0.33
(1,111)	1:32:A:ALA:HB1	1:33:A:ARG:H	7	0.33
(1,111)	1:32:A:ALA:HB2	1:33:A:ARG:H	7	0.33
(1,111)	1:32:A:ALA:HB3	1:33:A:ARG:H	7	0.33
(1,108)	1:20:A:PHE:H	1:19:A:TYR:H	2	0.33
(1,108)	1:20:A:PHE:H	1:19:A:TYR:H	4	0.33
(1,102)	1:8:A:VAL:HG11	1:9:A:GLY:H	2	0.33
(1,102)	1:8:A:VAL:HG12	1:9:A:GLY:H	2	0.33
(1,102)	1:8:A:VAL:HG13	1:9:A:GLY:H	2	0.33
(1,19)	1:17:A:GLN:HB3	1:17:A:GLN:H	6	0.33
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG21	4	0.32
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG22	4	0.32
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG23	4	0.32
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG21	4	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG22	4	0.32
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG23	4	0.32
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG21	4	0.32
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG22	4	0.32
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG23	4	0.32
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG21	7	0.32
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG22	7	0.32
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG23	7	0.32
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG21	7	0.32
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG22	7	0.32
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG23	7	0.32
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG21	7	0.32
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG22	7	0.32
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG23	7	0.32
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG21	10	0.32
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG22	10	0.32
(1,531)	1:28:A:VAL:HG11	1:28:A:VAL:HG23	10	0.32
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG21	10	0.32
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG22	10	0.32
(1,531)	1:28:A:VAL:HG12	1:28:A:VAL:HG23	10	0.32
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG21	10	0.32
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG22	10	0.32
(1,531)	1:28:A:VAL:HG13	1:28:A:VAL:HG23	10	0.32
(1,508)	1:11:A:VAL:HG11	1:11:A:VAL:HA	1	0.32
(1,508)	1:11:A:VAL:HG12	1:11:A:VAL:HA	1	0.32
(1,508)	1:11:A:VAL:HG13	1:11:A:VAL:HA	1	0.32
(1,508)	1:11:A:VAL:HG11	1:11:A:VAL:HA	7	0.32
(1,508)	1:11:A:VAL:HG12	1:11:A:VAL:HA	7	0.32
(1,508)	1:11:A:VAL:HG13	1:11:A:VAL:HA	7	0.32
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD11	3	0.32
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD12	3	0.32
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD13	3	0.32
(1,474)	1:37:A:ILE:HG21	1:37:A:ILE:HA	6	0.32
(1,474)	1:37:A:ILE:HG22	1:37:A:ILE:HA	6	0.32
(1,474)	1:37:A:ILE:HG23	1:37:A:ILE:HA	6	0.32
(1,474)	1:37:A:ILE:HG21	1:37:A:ILE:HA	7	0.32
(1,474)	1:37:A:ILE:HG22	1:37:A:ILE:HA	7	0.32
(1,474)	1:37:A:ILE:HG23	1:37:A:ILE:HA	7	0.32
(1,434)	1:24:A:THR:HG1	1:24:A:THR:HB	7	0.32
(1,427)	1:10:A:THR:HG1	1:10:A:THR:HA	6	0.32
(1,416)	1:37:A:ILE:HG12	1:37:A:ILE:HA	8	0.32
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG21	3	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG22	3	0.32
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG23	3	0.32
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG21	5	0.32
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG22	5	0.32
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG23	5	0.32
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG21	7	0.32
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG22	7	0.32
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG23	7	0.32
(1,410)	1:36:A:ARG:HG2	1:36:A:ARG:HB2	6	0.32
(1,410)	1:36:A:ARG:HG2	1:36:A:ARG:HB2	9	0.32
(1,372)	1:29:A:ILE:HB	1:29:A:ILE:HG12	2	0.32
(1,372)	1:29:A:ILE:HB	1:29:A:ILE:HG12	3	0.32
(1,328)	1:3:A:VAL:HB	1:3:A:VAL:HA	4	0.32
(1,303)	1:30:A:ARG:HD3	1:30:A:ARG:HB2	2	0.32
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG21	4	0.32
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG22	4	0.32
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG23	4	0.32
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG21	10	0.32
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG22	10	0.32
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG23	10	0.32
(1,285)	1:29:A:ILE:HA	1:29:A:ILE:HB	8	0.32
(1,269)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	1	0.32
(1,269)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	5	0.32
(1,269)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	7	0.32
(1,268)	1:15:A:ILE:HG12	1:15:A:ILE:HA	3	0.32
(1,268)	1:15:A:ILE:HG12	1:15:A:ILE:HA	5	0.32
(1,263)	1:24:A:THR:HA	1:24:A:THR:HG1	10	0.32
(1,252)	1:17:A:GLN:HA	1:17:A:GLN:HG3	9	0.32
(1,214)	1:13:A:SER:HB2	1:13:A:SER:HA	9	0.32
(1,208)	1:23:A:PRO:HB2	1:23:A:PRO:HA	6	0.32
(1,208)	1:23:A:PRO:HB2	1:23:A:PRO:HA	9	0.32
(1,204)	1:14:A:ASP:HB2	1:14:A:ASP:HA	5	0.32
(1,199)	1:20:A:PHE:HA	1:20:A:PHE:HB2	3	0.32
(1,182)	1:11:A:VAL:HG11	1:12:A:LEU:HA	5	0.32
(1,182)	1:11:A:VAL:HG12	1:12:A:LEU:HA	5	0.32
(1,182)	1:11:A:VAL:HG13	1:12:A:LEU:HA	5	0.32
(1,180)	1:23:A:PRO:HD3	1:24:A:THR:HB	1	0.32
(1,175)	1:4:A:ILE:HB	1:4:A:ILE:HA	3	0.32
(1,108)	1:20:A:PHE:H	1:19:A:TYR:H	5	0.32
(1,96)	1:14:A:ASP:HB2	1:14:A:ASP:H	4	0.32
(1,93)	1:16:A:ILE:H	1:17:A:GLN:H	1	0.32
(1,92)	1:20:A:PHE:H	1:21:A:PHE:H	6	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:12:A:LEU:H	1:11:A:VAL:H	4	0.32
(1,71)	1:17:A:GLN:H	1:16:A:ILE:H	3	0.32
(1,23)	1:20:A:PHE:H	1:20:A:PHE:HB2	8	0.32
(1,19)	1:17:A:GLN:HB3	1:17:A:GLN:H	1	0.32
(1,19)	1:17:A:GLN:HB3	1:17:A:GLN:H	3	0.32
(1,19)	1:17:A:GLN:HB3	1:17:A:GLN:H	9	0.32
(1,508)	1:11:A:VAL:HG11	1:11:A:VAL:HA	4	0.31
(1,508)	1:11:A:VAL:HG12	1:11:A:VAL:HA	4	0.31
(1,508)	1:11:A:VAL:HG13	1:11:A:VAL:HA	4	0.31
(1,474)	1:37:A:ILE:HG21	1:37:A:ILE:HA	1	0.31
(1,474)	1:37:A:ILE:HG22	1:37:A:ILE:HA	1	0.31
(1,474)	1:37:A:ILE:HG23	1:37:A:ILE:HA	1	0.31
(1,474)	1:37:A:ILE:HG21	1:37:A:ILE:HA	2	0.31
(1,474)	1:37:A:ILE:HG22	1:37:A:ILE:HA	2	0.31
(1,474)	1:37:A:ILE:HG23	1:37:A:ILE:HA	2	0.31
(1,459)	1:28:A:VAL:HG11	1:28:A:VAL:HA	10	0.31
(1,459)	1:28:A:VAL:HG12	1:28:A:VAL:HA	10	0.31
(1,459)	1:28:A:VAL:HG13	1:28:A:VAL:HA	10	0.31
(1,402)	1:27:A:ARG:HB2	1:27:A:ARG:HG3	3	0.31
(1,348)	1:27:A:ARG:HB2	1:27:A:ARG:HA	7	0.31
(1,343)	1:16:A:ILE:HB	1:16:A:ILE:HA	2	0.31
(1,343)	1:16:A:ILE:HB	1:16:A:ILE:HA	4	0.31
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG21	1	0.31
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG22	1	0.31
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG23	1	0.31
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG21	3	0.31
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG22	3	0.31
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG23	3	0.31
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG21	5	0.31
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG22	5	0.31
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG23	5	0.31
(1,285)	1:29:A:ILE:HA	1:29:A:ILE:HB	1	0.31
(1,285)	1:29:A:ILE:HA	1:29:A:ILE:HB	6	0.31
(1,285)	1:29:A:ILE:HA	1:29:A:ILE:HB	9	0.31
(1,269)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	2	0.31
(1,269)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	3	0.31
(1,269)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	4	0.31
(1,269)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	6	0.31
(1,260)	1:17:A:GLN:HA	1:21:A:PHE:HB3	10	0.31
(1,253)	1:25:A:LEU:HA	1:28:A:VAL:HB	5	0.31
(1,252)	1:17:A:GLN:HA	1:17:A:GLN:HG3	7	0.31
(1,243)	1:25:A:LEU:HB2	1:25:A:LEU:HA	2	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:25:A:LEU:HB2	1:25:A:LEU:HA	4	0.31
(1,216)	1:26:A:PHE:HA	1:26:A:PHE:HB3	3	0.31
(1,208)	1:23:A:PRO:HB2	1:23:A:PRO:HA	4	0.31
(1,182)	1:11:A:VAL:HG11	1:12:A:LEU:HA	2	0.31
(1,182)	1:11:A:VAL:HG12	1:12:A:LEU:HA	2	0.31
(1,182)	1:11:A:VAL:HG13	1:12:A:LEU:HA	2	0.31
(1,182)	1:11:A:VAL:HG11	1:12:A:LEU:HA	8	0.31
(1,182)	1:11:A:VAL:HG12	1:12:A:LEU:HA	8	0.31
(1,182)	1:11:A:VAL:HG13	1:12:A:LEU:HA	8	0.31
(1,182)	1:11:A:VAL:HG11	1:12:A:LEU:HA	10	0.31
(1,182)	1:11:A:VAL:HG12	1:12:A:LEU:HA	10	0.31
(1,182)	1:11:A:VAL:HG13	1:12:A:LEU:HA	10	0.31
(1,165)	1:28:A:VAL:HB	1:25:A:LEU:HA	5	0.31
(1,157)	1:4:A:ILE:H	1:3:A:VAL:HB	3	0.31
(1,88)	1:13:A:SER:H	1:12:A:LEU:H	1	0.31
(1,88)	1:13:A:SER:H	1:12:A:LEU:H	8	0.31
(1,75)	1:15:A:ILE:H	1:16:A:ILE:H	6	0.31
(1,71)	1:17:A:GLN:H	1:16:A:ILE:H	9	0.31
(1,24)	1:20:A:PHE:H	1:21:A:PHE:H	4	0.31
(1,23)	1:20:A:PHE:H	1:20:A:PHE:HB2	10	0.31
(1,545)	1:3:A:VAL:HG21	1:3:A:VAL:HA	5	0.3
(1,545)	1:3:A:VAL:HG22	1:3:A:VAL:HA	5	0.3
(1,545)	1:3:A:VAL:HG23	1:3:A:VAL:HA	5	0.3
(1,459)	1:28:A:VAL:HG11	1:28:A:VAL:HA	2	0.3
(1,459)	1:28:A:VAL:HG12	1:28:A:VAL:HA	2	0.3
(1,459)	1:28:A:VAL:HG13	1:28:A:VAL:HA	2	0.3
(1,459)	1:28:A:VAL:HG11	1:28:A:VAL:HA	3	0.3
(1,459)	1:28:A:VAL:HG12	1:28:A:VAL:HA	3	0.3
(1,459)	1:28:A:VAL:HG13	1:28:A:VAL:HA	3	0.3
(1,427)	1:10:A:THR:HG1	1:10:A:THR:HA	4	0.3
(1,372)	1:29:A:ILE:HB	1:29:A:ILE:HG12	5	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG21	1	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG22	1	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG23	1	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG21	2	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG22	2	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG23	2	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG21	3	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG22	3	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG23	3	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG21	8	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG22	8	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG23	8	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG21	9	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG22	9	0.3
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG23	9	0.3
(1,343)	1:16:A:ILE:HB	1:16:A:ILE:HA	1	0.3
(1,343)	1:16:A:ILE:HB	1:16:A:ILE:HA	3	0.3
(1,343)	1:16:A:ILE:HB	1:16:A:ILE:HA	5	0.3
(1,343)	1:16:A:ILE:HB	1:16:A:ILE:HA	6	0.3
(1,343)	1:16:A:ILE:HB	1:16:A:ILE:HA	7	0.3
(1,343)	1:16:A:ILE:HB	1:16:A:ILE:HA	8	0.3
(1,343)	1:16:A:ILE:HB	1:16:A:ILE:HA	9	0.3
(1,343)	1:16:A:ILE:HB	1:16:A:ILE:HA	10	0.3
(1,303)	1:30:A:ARG:HD3	1:30:A:ARG:HB2	6	0.3
(1,303)	1:30:A:ARG:HD3	1:30:A:ARG:HB2	8	0.3
(1,285)	1:29:A:ILE:HA	1:29:A:ILE:HB	4	0.3
(1,285)	1:29:A:ILE:HA	1:29:A:ILE:HB	7	0.3
(1,285)	1:29:A:ILE:HA	1:29:A:ILE:HB	10	0.3
(1,269)	1:23:A:PRO:HD3	1:23:A:PRO:HG2	9	0.3
(1,257)	1:28:A:VAL:HG21	1:25:A:LEU:HA	8	0.3
(1,257)	1:28:A:VAL:HG22	1:25:A:LEU:HA	8	0.3
(1,257)	1:28:A:VAL:HG23	1:25:A:LEU:HA	8	0.3
(1,237)	1:27:A:ARG:HA	1:27:A:ARG:HB2	2	0.3
(1,237)	1:27:A:ARG:HA	1:27:A:ARG:HB2	6	0.3
(1,204)	1:14:A:ASP:HB2	1:14:A:ASP:HA	8	0.3
(1,157)	1:4:A:ILE:H	1:3:A:VAL:HB	2	0.3
(1,153)	1:27:A:ARG:HB2	1:28:A:VAL:H	5	0.3
(1,144)	1:36:A:ARG:HA	1:37:A:ILE:H	8	0.3
(1,88)	1:13:A:SER:H	1:12:A:LEU:H	4	0.3
(1,75)	1:15:A:ILE:H	1:16:A:ILE:H	3	0.3
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD11	10	0.29
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD12	10	0.29
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD13	10	0.29
(1,447)	1:28:A:VAL:HG21	1:28:A:VAL:HA	7	0.29
(1,447)	1:28:A:VAL:HG22	1:28:A:VAL:HA	7	0.29
(1,447)	1:28:A:VAL:HG23	1:28:A:VAL:HA	7	0.29
(1,428)	1:34:A:ILE:HG12	1:34:A:ILE:HA	10	0.29
(1,410)	1:36:A:ARG:HG2	1:36:A:ARG:HB2	4	0.29
(1,400)	1:27:A:ARG:HD3	1:27:A:ARG:HG3	3	0.29
(1,400)	1:27:A:ARG:HD3	1:27:A:ARG:HG3	8	0.29
(1,367)	1:36:A:ARG:HB2	1:36:A:ARG:HA	3	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG21	4	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG22	4	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG23	4	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG21	5	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG22	5	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG23	5	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG21	6	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG22	6	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG23	6	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG21	7	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG22	7	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG23	7	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG21	10	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG22	10	0.29
(1,363)	1:29:A:ILE:HB	1:29:A:ILE:HG23	10	0.29
(1,337)	1:15:A:ILE:HB	1:15:A:ILE:HA	2	0.29
(1,337)	1:15:A:ILE:HB	1:15:A:ILE:HA	6	0.29
(1,330)	1:17:A:GLN:HB3	1:14:A:ASP:HA	5	0.29
(1,326)	1:11:A:VAL:HG21	1:11:A:VAL:HB	2	0.29
(1,326)	1:11:A:VAL:HG22	1:11:A:VAL:HB	2	0.29
(1,326)	1:11:A:VAL:HG23	1:11:A:VAL:HB	2	0.29
(1,285)	1:29:A:ILE:HA	1:29:A:ILE:HB	2	0.29
(1,285)	1:29:A:ILE:HA	1:29:A:ILE:HB	3	0.29
(1,268)	1:15:A:ILE:HG12	1:15:A:ILE:HA	8	0.29
(1,268)	1:15:A:ILE:HG12	1:15:A:ILE:HA	10	0.29
(1,264)	1:15:A:ILE:HB	1:15:A:ILE:HA	2	0.29
(1,264)	1:15:A:ILE:HB	1:15:A:ILE:HA	6	0.29
(1,263)	1:24:A:THR:HA	1:24:A:THR:HG1	4	0.29
(1,263)	1:24:A:THR:HA	1:24:A:THR:HG1	9	0.29
(1,260)	1:17:A:GLN:HA	1:21:A:PHE:HB3	5	0.29
(1,214)	1:13:A:SER:HB2	1:13:A:SER:HA	7	0.29
(1,170)	1:14:A:ASP:HA	1:17:A:GLN:HB3	2	0.29
(1,153)	1:27:A:ARG:HB2	1:28:A:VAL:H	7	0.29
(1,553)	1:7:A:ILE:HG21	1:7:A:ILE:HB	1	0.28
(1,553)	1:7:A:ILE:HG22	1:7:A:ILE:HB	1	0.28
(1,553)	1:7:A:ILE:HG23	1:7:A:ILE:HB	1	0.28
(1,553)	1:7:A:ILE:HG21	1:7:A:ILE:HB	2	0.28
(1,553)	1:7:A:ILE:HG22	1:7:A:ILE:HB	2	0.28
(1,553)	1:7:A:ILE:HG23	1:7:A:ILE:HB	2	0.28
(1,553)	1:7:A:ILE:HG21	1:7:A:ILE:HB	3	0.28
(1,553)	1:7:A:ILE:HG22	1:7:A:ILE:HB	3	0.28
(1,553)	1:7:A:ILE:HG23	1:7:A:ILE:HB	3	0.28
(1,553)	1:7:A:ILE:HG21	1:7:A:ILE:HB	4	0.28
(1,553)	1:7:A:ILE:HG22	1:7:A:ILE:HB	4	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:7:A:ILE:HG23	1:7:A:ILE:HB	4	0.28
(1,553)	1:7:A:ILE:HG21	1:7:A:ILE:HB	5	0.28
(1,553)	1:7:A:ILE:HG22	1:7:A:ILE:HB	5	0.28
(1,553)	1:7:A:ILE:HG23	1:7:A:ILE:HB	5	0.28
(1,553)	1:7:A:ILE:HG21	1:7:A:ILE:HB	6	0.28
(1,553)	1:7:A:ILE:HG22	1:7:A:ILE:HB	6	0.28
(1,553)	1:7:A:ILE:HG23	1:7:A:ILE:HB	6	0.28
(1,553)	1:7:A:ILE:HG21	1:7:A:ILE:HB	8	0.28
(1,553)	1:7:A:ILE:HG22	1:7:A:ILE:HB	8	0.28
(1,553)	1:7:A:ILE:HG23	1:7:A:ILE:HB	8	0.28
(1,553)	1:7:A:ILE:HG21	1:7:A:ILE:HB	9	0.28
(1,553)	1:7:A:ILE:HG22	1:7:A:ILE:HB	9	0.28
(1,553)	1:7:A:ILE:HG23	1:7:A:ILE:HB	9	0.28
(1,553)	1:7:A:ILE:HG21	1:7:A:ILE:HB	10	0.28
(1,553)	1:7:A:ILE:HG22	1:7:A:ILE:HB	10	0.28
(1,553)	1:7:A:ILE:HG23	1:7:A:ILE:HB	10	0.28
(1,467)	1:16:A:ILE:HG21	1:16:A:ILE:HB	1	0.28
(1,467)	1:16:A:ILE:HG22	1:16:A:ILE:HB	1	0.28
(1,467)	1:16:A:ILE:HG23	1:16:A:ILE:HB	1	0.28
(1,467)	1:16:A:ILE:HG21	1:16:A:ILE:HB	2	0.28
(1,467)	1:16:A:ILE:HG22	1:16:A:ILE:HB	2	0.28
(1,467)	1:16:A:ILE:HG23	1:16:A:ILE:HB	2	0.28
(1,467)	1:16:A:ILE:HG21	1:16:A:ILE:HB	3	0.28
(1,467)	1:16:A:ILE:HG22	1:16:A:ILE:HB	3	0.28
(1,467)	1:16:A:ILE:HG23	1:16:A:ILE:HB	3	0.28
(1,467)	1:16:A:ILE:HG21	1:16:A:ILE:HB	4	0.28
(1,467)	1:16:A:ILE:HG22	1:16:A:ILE:HB	4	0.28
(1,467)	1:16:A:ILE:HG23	1:16:A:ILE:HB	4	0.28
(1,467)	1:16:A:ILE:HG21	1:16:A:ILE:HB	5	0.28
(1,467)	1:16:A:ILE:HG22	1:16:A:ILE:HB	5	0.28
(1,467)	1:16:A:ILE:HG23	1:16:A:ILE:HB	5	0.28
(1,467)	1:16:A:ILE:HG21	1:16:A:ILE:HB	6	0.28
(1,467)	1:16:A:ILE:HG22	1:16:A:ILE:HB	6	0.28
(1,467)	1:16:A:ILE:HG23	1:16:A:ILE:HB	6	0.28
(1,467)	1:16:A:ILE:HG21	1:16:A:ILE:HB	7	0.28
(1,467)	1:16:A:ILE:HG22	1:16:A:ILE:HB	7	0.28
(1,467)	1:16:A:ILE:HG23	1:16:A:ILE:HB	7	0.28
(1,467)	1:16:A:ILE:HG21	1:16:A:ILE:HB	8	0.28
(1,467)	1:16:A:ILE:HG22	1:16:A:ILE:HB	8	0.28
(1,467)	1:16:A:ILE:HG23	1:16:A:ILE:HB	8	0.28
(1,467)	1:16:A:ILE:HG21	1:16:A:ILE:HB	9	0.28
(1,467)	1:16:A:ILE:HG22	1:16:A:ILE:HB	9	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:16:A:ILE:HG23	1:16:A:ILE:HB	9	0.28
(1,467)	1:16:A:ILE:HG21	1:16:A:ILE:HB	10	0.28
(1,467)	1:16:A:ILE:HG22	1:16:A:ILE:HB	10	0.28
(1,467)	1:16:A:ILE:HG23	1:16:A:ILE:HB	10	0.28
(1,459)	1:28:A:VAL:HG11	1:28:A:VAL:HA	6	0.28
(1,459)	1:28:A:VAL:HG12	1:28:A:VAL:HA	6	0.28
(1,459)	1:28:A:VAL:HG13	1:28:A:VAL:HA	6	0.28
(1,447)	1:28:A:VAL:HG21	1:28:A:VAL:HA	4	0.28
(1,447)	1:28:A:VAL:HG22	1:28:A:VAL:HA	4	0.28
(1,447)	1:28:A:VAL:HG23	1:28:A:VAL:HA	4	0.28
(1,447)	1:28:A:VAL:HG21	1:28:A:VAL:HA	5	0.28
(1,447)	1:28:A:VAL:HG22	1:28:A:VAL:HA	5	0.28
(1,447)	1:28:A:VAL:HG23	1:28:A:VAL:HA	5	0.28
(1,417)	1:32:A:ALA:HB1	1:32:A:ALA:HA	1	0.28
(1,417)	1:32:A:ALA:HB2	1:32:A:ALA:HA	1	0.28
(1,417)	1:32:A:ALA:HB3	1:32:A:ALA:HA	1	0.28
(1,417)	1:32:A:ALA:HB1	1:32:A:ALA:HA	2	0.28
(1,417)	1:32:A:ALA:HB2	1:32:A:ALA:HA	2	0.28
(1,417)	1:32:A:ALA:HB3	1:32:A:ALA:HA	2	0.28
(1,417)	1:32:A:ALA:HB1	1:32:A:ALA:HA	4	0.28
(1,417)	1:32:A:ALA:HB2	1:32:A:ALA:HA	4	0.28
(1,417)	1:32:A:ALA:HB3	1:32:A:ALA:HA	4	0.28
(1,417)	1:32:A:ALA:HB1	1:32:A:ALA:HA	5	0.28
(1,417)	1:32:A:ALA:HB2	1:32:A:ALA:HA	5	0.28
(1,417)	1:32:A:ALA:HB3	1:32:A:ALA:HA	5	0.28
(1,417)	1:32:A:ALA:HB1	1:32:A:ALA:HA	6	0.28
(1,417)	1:32:A:ALA:HB2	1:32:A:ALA:HA	6	0.28
(1,417)	1:32:A:ALA:HB3	1:32:A:ALA:HA	6	0.28
(1,417)	1:32:A:ALA:HB1	1:32:A:ALA:HA	7	0.28
(1,417)	1:32:A:ALA:HB2	1:32:A:ALA:HA	7	0.28
(1,417)	1:32:A:ALA:HB3	1:32:A:ALA:HA	7	0.28
(1,417)	1:32:A:ALA:HB1	1:32:A:ALA:HA	9	0.28
(1,417)	1:32:A:ALA:HB2	1:32:A:ALA:HA	9	0.28
(1,417)	1:32:A:ALA:HB3	1:32:A:ALA:HA	9	0.28
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG21	10	0.28
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG22	10	0.28
(1,413)	1:34:A:ILE:HG13	1:34:A:ILE:HG23	10	0.28
(1,354)	1:23:A:PRO:HB2	1:23:A:PRO:HG2	10	0.28
(1,337)	1:15:A:ILE:HB	1:15:A:ILE:HA	1	0.28
(1,337)	1:15:A:ILE:HB	1:15:A:ILE:HA	3	0.28
(1,337)	1:15:A:ILE:HB	1:15:A:ILE:HA	4	0.28
(1,337)	1:15:A:ILE:HB	1:15:A:ILE:HA	5	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:15:A:ILE:HB	1:15:A:ILE:HA	7	0.28
(1,337)	1:15:A:ILE:HB	1:15:A:ILE:HA	8	0.28
(1,337)	1:15:A:ILE:HB	1:15:A:ILE:HA	9	0.28
(1,337)	1:15:A:ILE:HB	1:15:A:ILE:HA	10	0.28
(1,326)	1:11:A:VAL:HG21	1:11:A:VAL:HB	1	0.28
(1,326)	1:11:A:VAL:HG22	1:11:A:VAL:HB	1	0.28
(1,326)	1:11:A:VAL:HG23	1:11:A:VAL:HB	1	0.28
(1,326)	1:11:A:VAL:HG21	1:11:A:VAL:HB	3	0.28
(1,326)	1:11:A:VAL:HG22	1:11:A:VAL:HB	3	0.28
(1,326)	1:11:A:VAL:HG23	1:11:A:VAL:HB	3	0.28
(1,326)	1:11:A:VAL:HG21	1:11:A:VAL:HB	4	0.28
(1,326)	1:11:A:VAL:HG22	1:11:A:VAL:HB	4	0.28
(1,326)	1:11:A:VAL:HG23	1:11:A:VAL:HB	4	0.28
(1,326)	1:11:A:VAL:HG21	1:11:A:VAL:HB	5	0.28
(1,326)	1:11:A:VAL:HG22	1:11:A:VAL:HB	5	0.28
(1,326)	1:11:A:VAL:HG23	1:11:A:VAL:HB	5	0.28
(1,326)	1:11:A:VAL:HG21	1:11:A:VAL:HB	6	0.28
(1,326)	1:11:A:VAL:HG22	1:11:A:VAL:HB	6	0.28
(1,326)	1:11:A:VAL:HG23	1:11:A:VAL:HB	6	0.28
(1,326)	1:11:A:VAL:HG21	1:11:A:VAL:HB	7	0.28
(1,326)	1:11:A:VAL:HG22	1:11:A:VAL:HB	7	0.28
(1,326)	1:11:A:VAL:HG23	1:11:A:VAL:HB	7	0.28
(1,326)	1:11:A:VAL:HG21	1:11:A:VAL:HB	8	0.28
(1,326)	1:11:A:VAL:HG22	1:11:A:VAL:HB	8	0.28
(1,326)	1:11:A:VAL:HG23	1:11:A:VAL:HB	8	0.28
(1,326)	1:11:A:VAL:HG21	1:11:A:VAL:HB	9	0.28
(1,326)	1:11:A:VAL:HG22	1:11:A:VAL:HB	9	0.28
(1,326)	1:11:A:VAL:HG23	1:11:A:VAL:HB	9	0.28
(1,326)	1:11:A:VAL:HG21	1:11:A:VAL:HB	10	0.28
(1,326)	1:11:A:VAL:HG22	1:11:A:VAL:HB	10	0.28
(1,326)	1:11:A:VAL:HG23	1:11:A:VAL:HB	10	0.28
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG21	6	0.28
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG22	6	0.28
(1,289)	1:8:A:VAL:HA	1:8:A:VAL:HG23	6	0.28
(1,285)	1:29:A:ILE:HA	1:29:A:ILE:HB	5	0.28
(1,268)	1:15:A:ILE:HG12	1:15:A:ILE:HA	1	0.28
(1,264)	1:15:A:ILE:HB	1:15:A:ILE:HA	1	0.28
(1,264)	1:15:A:ILE:HB	1:15:A:ILE:HA	3	0.28
(1,264)	1:15:A:ILE:HB	1:15:A:ILE:HA	4	0.28
(1,264)	1:15:A:ILE:HB	1:15:A:ILE:HA	5	0.28
(1,264)	1:15:A:ILE:HB	1:15:A:ILE:HA	7	0.28
(1,264)	1:15:A:ILE:HB	1:15:A:ILE:HA	8	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,264)	1:15:A:ILE:HB	1:15:A:ILE:HA	9	0.28
(1,264)	1:15:A:ILE:HB	1:15:A:ILE:HA	10	0.28
(1,252)	1:17:A:GLN:HA	1:17:A:GLN:HG3	3	0.28
(1,225)	1:34:A:ILE:HG12	1:31:A:LEU:HA	2	0.28
(1,214)	1:13:A:SER:HB2	1:13:A:SER:HA	8	0.28
(1,199)	1:20:A:PHE:HA	1:20:A:PHE:HB2	6	0.28
(1,199)	1:20:A:PHE:HA	1:20:A:PHE:HB2	10	0.28
(1,198)	1:19:A:TYR:HA	1:19:A:TYR:HB2	2	0.28
(1,198)	1:19:A:TYR:HA	1:19:A:TYR:HB2	3	0.28
(1,198)	1:19:A:TYR:HA	1:19:A:TYR:HB2	4	0.28
(1,198)	1:19:A:TYR:HA	1:19:A:TYR:HB2	6	0.28
(1,198)	1:19:A:TYR:HA	1:19:A:TYR:HB2	7	0.28
(1,198)	1:19:A:TYR:HA	1:19:A:TYR:HB2	9	0.28
(1,182)	1:11:A:VAL:HG11	1:12:A:LEU:HA	6	0.28
(1,182)	1:11:A:VAL:HG12	1:12:A:LEU:HA	6	0.28
(1,182)	1:11:A:VAL:HG13	1:12:A:LEU:HA	6	0.28
(1,157)	1:4:A:ILE:H	1:3:A:VAL:HB	9	0.28
(1,122)	1:11:A:VAL:HG11	1:11:A:VAL:H	3	0.28
(1,122)	1:11:A:VAL:HG12	1:11:A:VAL:H	3	0.28
(1,122)	1:11:A:VAL:HG13	1:11:A:VAL:H	3	0.28
(1,122)	1:11:A:VAL:HG11	1:11:A:VAL:H	5	0.28
(1,122)	1:11:A:VAL:HG12	1:11:A:VAL:H	5	0.28
(1,122)	1:11:A:VAL:HG13	1:11:A:VAL:H	5	0.28
(1,105)	1:12:A:LEU:H	1:13:A:SER:H	9	0.28
(1,96)	1:14:A:ASP:HB2	1:14:A:ASP:H	9	0.28
(1,95)	1:14:A:ASP:HB3	1:14:A:ASP:H	8	0.28
(1,75)	1:15:A:ILE:H	1:16:A:ILE:H	2	0.28
(1,30)	1:34:A:ILE:HG13	1:34:A:ILE:H	6	0.28
(1,553)	1:7:A:ILE:HG21	1:7:A:ILE:HB	7	0.27
(1,553)	1:7:A:ILE:HG22	1:7:A:ILE:HB	7	0.27
(1,553)	1:7:A:ILE:HG23	1:7:A:ILE:HB	7	0.27
(1,546)	1:5:A:LEU:HB3	1:5:A:LEU:HA	1	0.27
(1,459)	1:28:A:VAL:HG11	1:28:A:VAL:HA	9	0.27
(1,459)	1:28:A:VAL:HG12	1:28:A:VAL:HA	9	0.27
(1,459)	1:28:A:VAL:HG13	1:28:A:VAL:HA	9	0.27
(1,447)	1:28:A:VAL:HG21	1:28:A:VAL:HA	9	0.27
(1,447)	1:28:A:VAL:HG22	1:28:A:VAL:HA	9	0.27
(1,447)	1:28:A:VAL:HG23	1:28:A:VAL:HA	9	0.27
(1,417)	1:32:A:ALA:HB1	1:32:A:ALA:HA	3	0.27
(1,417)	1:32:A:ALA:HB2	1:32:A:ALA:HA	3	0.27
(1,417)	1:32:A:ALA:HB3	1:32:A:ALA:HA	3	0.27
(1,417)	1:32:A:ALA:HB1	1:32:A:ALA:HA	8	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:32:A:ALA:HB2	1:32:A:ALA:HA	8	0.27
(1,417)	1:32:A:ALA:HB3	1:32:A:ALA:HA	8	0.27
(1,417)	1:32:A:ALA:HB1	1:32:A:ALA:HA	10	0.27
(1,417)	1:32:A:ALA:HB2	1:32:A:ALA:HA	10	0.27
(1,417)	1:32:A:ALA:HB3	1:32:A:ALA:HA	10	0.27
(1,410)	1:36:A:ARG:HG2	1:36:A:ARG:HB2	2	0.27
(1,354)	1:23:A:PRO:HB2	1:23:A:PRO:HG2	1	0.27
(1,354)	1:23:A:PRO:HB2	1:23:A:PRO:HG2	2	0.27
(1,354)	1:23:A:PRO:HB2	1:23:A:PRO:HG2	3	0.27
(1,354)	1:23:A:PRO:HB2	1:23:A:PRO:HG2	5	0.27
(1,354)	1:23:A:PRO:HB2	1:23:A:PRO:HG2	7	0.27
(1,354)	1:23:A:PRO:HB2	1:23:A:PRO:HG2	8	0.27
(1,354)	1:23:A:PRO:HB2	1:23:A:PRO:HG2	9	0.27
(1,307)	1:14:A:ASP:HB3	1:11:A:VAL:HA	8	0.27
(1,268)	1:15:A:ILE:HG12	1:15:A:ILE:HA	2	0.27
(1,268)	1:15:A:ILE:HG12	1:15:A:ILE:HA	9	0.27
(1,263)	1:24:A:THR:HA	1:24:A:THR:HG1	3	0.27
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD11	5	0.27
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD12	5	0.27
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD13	5	0.27
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD11	6	0.27
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD12	6	0.27
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD13	6	0.27
(1,180)	1:23:A:PRO:HD3	1:24:A:THR:HB	7	0.27
(1,125)	1:7:A:ILE:HB	1:8:A:VAL:H	3	0.27
(1,111)	1:32:A:ALA:HB1	1:33:A:ARG:H	6	0.27
(1,111)	1:32:A:ALA:HB2	1:33:A:ARG:H	6	0.27
(1,111)	1:32:A:ALA:HB3	1:33:A:ARG:H	6	0.27
(1,89)	1:12:A:LEU:H	1:11:A:VAL:H	1	0.27
(1,12)	1:26:A:PHE:H	1:26:A:PHE:HB2	4	0.27
(1,564)	1:28:A:VAL:HG21	1:25:A:LEU:HA	10	0.26
(1,564)	1:28:A:VAL:HG22	1:25:A:LEU:HA	10	0.26
(1,564)	1:28:A:VAL:HG23	1:25:A:LEU:HA	10	0.26
(1,410)	1:36:A:ARG:HG2	1:36:A:ARG:HB2	5	0.26
(1,402)	1:27:A:ARG:HB2	1:27:A:ARG:HG3	8	0.26
(1,400)	1:27:A:ARG:HD3	1:27:A:ARG:HG3	2	0.26
(1,400)	1:27:A:ARG:HD3	1:27:A:ARG:HG3	9	0.26
(1,384)	1:7:A:ILE:HA	1:7:A:ILE:HG12	9	0.26
(1,354)	1:23:A:PRO:HB2	1:23:A:PRO:HG2	4	0.26
(1,354)	1:23:A:PRO:HB2	1:23:A:PRO:HG2	6	0.26
(1,284)	1:28:A:VAL:HG11	1:28:A:VAL:HA	1	0.26
(1,284)	1:28:A:VAL:HG12	1:28:A:VAL:HA	1	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:28:A:VAL:HG13	1:28:A:VAL:HA	1	0.26
(1,260)	1:17:A:GLN:HA	1:21:A:PHE:HB3	9	0.26
(1,214)	1:13:A:SER:HB2	1:13:A:SER:HA	4	0.26
(1,199)	1:20:A:PHE:HA	1:20:A:PHE:HB2	8	0.26
(1,124)	1:5:A:LEU:HA	1:8:A:VAL:H	9	0.26
(1,122)	1:11:A:VAL:HG11	1:11:A:VAL:H	1	0.26
(1,122)	1:11:A:VAL:HG12	1:11:A:VAL:H	1	0.26
(1,122)	1:11:A:VAL:HG13	1:11:A:VAL:H	1	0.26
(1,120)	1:10:A:THR:HB	1:11:A:VAL:H	6	0.26
(1,111)	1:32:A:ALA:HB1	1:33:A:ARG:H	8	0.26
(1,111)	1:32:A:ALA:HB2	1:33:A:ARG:H	8	0.26
(1,111)	1:32:A:ALA:HB3	1:33:A:ARG:H	8	0.26
(1,108)	1:20:A:PHE:H	1:19:A:TYR:H	7	0.26
(1,94)	1:13:A:SER:H	1:14:A:ASP:H	3	0.26
(1,89)	1:12:A:LEU:H	1:11:A:VAL:H	3	0.26
(1,87)	1:12:A:LEU:H	1:11:A:VAL:H	8	0.26
(1,75)	1:15:A:ILE:H	1:16:A:ILE:H	1	0.26
(1,75)	1:15:A:ILE:H	1:16:A:ILE:H	8	0.26
(1,72)	1:16:A:ILE:HA	1:16:A:ILE:H	7	0.26
(1,12)	1:26:A:PHE:H	1:26:A:PHE:HB2	2	0.26
(1,545)	1:3:A:VAL:HG21	1:3:A:VAL:HA	1	0.25
(1,545)	1:3:A:VAL:HG22	1:3:A:VAL:HA	1	0.25
(1,545)	1:3:A:VAL:HG23	1:3:A:VAL:HA	1	0.25
(1,474)	1:37:A:ILE:HG21	1:37:A:ILE:HA	10	0.25
(1,474)	1:37:A:ILE:HG22	1:37:A:ILE:HA	10	0.25
(1,474)	1:37:A:ILE:HG23	1:37:A:ILE:HA	10	0.25
(1,464)	1:34:A:ILE:HG21	1:34:A:ILE:HA	1	0.25
(1,464)	1:34:A:ILE:HG22	1:34:A:ILE:HA	1	0.25
(1,464)	1:34:A:ILE:HG23	1:34:A:ILE:HA	1	0.25
(1,459)	1:28:A:VAL:HG11	1:28:A:VAL:HA	4	0.25
(1,459)	1:28:A:VAL:HG12	1:28:A:VAL:HA	4	0.25
(1,459)	1:28:A:VAL:HG13	1:28:A:VAL:HA	4	0.25
(1,459)	1:28:A:VAL:HG11	1:28:A:VAL:HA	5	0.25
(1,459)	1:28:A:VAL:HG12	1:28:A:VAL:HA	5	0.25
(1,459)	1:28:A:VAL:HG13	1:28:A:VAL:HA	5	0.25
(1,447)	1:28:A:VAL:HG21	1:28:A:VAL:HA	6	0.25
(1,447)	1:28:A:VAL:HG22	1:28:A:VAL:HA	6	0.25
(1,447)	1:28:A:VAL:HG23	1:28:A:VAL:HA	6	0.25
(1,410)	1:36:A:ARG:HG2	1:36:A:ARG:HB2	10	0.25
(1,398)	1:29:A:ILE:HG13	1:26:A:PHE:HA	10	0.25
(1,384)	1:7:A:ILE:HA	1:7:A:ILE:HG12	7	0.25
(1,260)	1:17:A:GLN:HA	1:21:A:PHE:HB3	3	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:14:A:ASP:HB3	1:11:A:VAL:HA	2	0.25
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD11	3	0.25
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD12	3	0.25
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD13	3	0.25
(1,244)	1:18:A:LYS:HA	1:18:A:LYS:HB3	9	0.25
(1,237)	1:27:A:ARG:HA	1:27:A:ARG:HB2	9	0.25
(1,228)	1:34:A:ILE:HG21	1:34:A:ILE:HA	1	0.25
(1,228)	1:34:A:ILE:HG22	1:34:A:ILE:HA	1	0.25
(1,228)	1:34:A:ILE:HG23	1:34:A:ILE:HA	1	0.25
(1,214)	1:13:A:SER:HB2	1:13:A:SER:HA	10	0.25
(1,161)	1:28:A:VAL:H	1:27:A:ARG:HG3	5	0.25
(1,158)	1:12:A:LEU:HB2	1:13:A:SER:H	8	0.25
(1,122)	1:11:A:VAL:HG11	1:11:A:VAL:H	4	0.25
(1,122)	1:11:A:VAL:HG12	1:11:A:VAL:H	4	0.25
(1,122)	1:11:A:VAL:HG13	1:11:A:VAL:H	4	0.25
(1,111)	1:32:A:ALA:HB1	1:33:A:ARG:H	9	0.25
(1,111)	1:32:A:ALA:HB2	1:33:A:ARG:H	9	0.25
(1,111)	1:32:A:ALA:HB3	1:33:A:ARG:H	9	0.25
(1,105)	1:12:A:LEU:H	1:13:A:SER:H	5	0.25
(1,89)	1:12:A:LEU:H	1:11:A:VAL:H	5	0.25
(1,89)	1:12:A:LEU:H	1:11:A:VAL:H	10	0.25
(1,88)	1:13:A:SER:H	1:12:A:LEU:H	6	0.25
(1,75)	1:15:A:ILE:H	1:16:A:ILE:H	10	0.25
(1,73)	1:16:A:ILE:HB	1:16:A:ILE:H	2	0.25
(1,73)	1:16:A:ILE:HB	1:16:A:ILE:H	6	0.25
(1,48)	1:8:A:VAL:HA	1:8:A:VAL:H	3	0.25
(1,38)	1:29:A:ILE:HB	1:29:A:ILE:H	8	0.25
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD11	4	0.24
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD12	4	0.24
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD13	4	0.24
(1,474)	1:37:A:ILE:HG21	1:37:A:ILE:HA	9	0.24
(1,474)	1:37:A:ILE:HG22	1:37:A:ILE:HA	9	0.24
(1,474)	1:37:A:ILE:HG23	1:37:A:ILE:HA	9	0.24
(1,459)	1:28:A:VAL:HG11	1:28:A:VAL:HA	7	0.24
(1,459)	1:28:A:VAL:HG12	1:28:A:VAL:HA	7	0.24
(1,459)	1:28:A:VAL:HG13	1:28:A:VAL:HA	7	0.24
(1,447)	1:28:A:VAL:HG21	1:28:A:VAL:HA	2	0.24
(1,447)	1:28:A:VAL:HG22	1:28:A:VAL:HA	2	0.24
(1,447)	1:28:A:VAL:HG23	1:28:A:VAL:HA	2	0.24
(1,435)	1:24:A:THR:HG1	1:24:A:THR:HA	7	0.24
(1,431)	1:4:A:ILE:HG12	1:4:A:ILE:HA	1	0.24
(1,384)	1:7:A:ILE:HA	1:7:A:ILE:HG12	5	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,260)	1:17:A:GLN:HA	1:21:A:PHE:HB3	1	0.24
(1,257)	1:28:A:VAL:HG21	1:25:A:LEU:HA	2	0.24
(1,257)	1:28:A:VAL:HG22	1:25:A:LEU:HA	2	0.24
(1,257)	1:28:A:VAL:HG23	1:25:A:LEU:HA	2	0.24
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD11	4	0.24
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD12	4	0.24
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD13	4	0.24
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD11	7	0.24
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD12	7	0.24
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD13	7	0.24
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD11	8	0.24
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD12	8	0.24
(1,247)	1:5:A:LEU:HA	1:5:A:LEU:HD13	8	0.24
(1,214)	1:13:A:SER:HB2	1:13:A:SER:HA	1	0.24
(1,186)	1:26:A:PHE:HD1	1:26:A:PHE:HA	10	0.24
(1,186)	1:26:A:PHE:HD2	1:26:A:PHE:HA	10	0.24
(1,183)	1:21:A:PHE:HD1	1:16:A:ILE:HG21	4	0.24
(1,183)	1:21:A:PHE:HD1	1:16:A:ILE:HG22	4	0.24
(1,183)	1:21:A:PHE:HD1	1:16:A:ILE:HG23	4	0.24
(1,183)	1:21:A:PHE:HD2	1:16:A:ILE:HG21	4	0.24
(1,183)	1:21:A:PHE:HD2	1:16:A:ILE:HG22	4	0.24
(1,183)	1:21:A:PHE:HD2	1:16:A:ILE:HG23	4	0.24
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD11	10	0.24
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD12	10	0.24
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD13	10	0.24
(1,139)	1:8:A:VAL:HA	1:11:A:VAL:H	9	0.24
(1,125)	1:7:A:ILE:HB	1:8:A:VAL:H	1	0.24
(1,122)	1:11:A:VAL:HG11	1:11:A:VAL:H	8	0.24
(1,122)	1:11:A:VAL:HG12	1:11:A:VAL:H	8	0.24
(1,122)	1:11:A:VAL:HG13	1:11:A:VAL:H	8	0.24
(1,112)	1:32:A:ALA:H	1:33:A:ARG:H	8	0.24
(1,105)	1:12:A:LEU:H	1:13:A:SER:H	3	0.24
(1,105)	1:12:A:LEU:H	1:13:A:SER:H	7	0.24
(1,105)	1:12:A:LEU:H	1:13:A:SER:H	10	0.24
(1,92)	1:20:A:PHE:H	1:21:A:PHE:H	3	0.24
(1,72)	1:16:A:ILE:HA	1:16:A:ILE:H	4	0.24
(1,72)	1:16:A:ILE:HA	1:16:A:ILE:H	5	0.24
(1,54)	1:30:A:ARG:HD3	1:30:A:ARG:H	5	0.24
(1,48)	1:8:A:VAL:HA	1:8:A:VAL:H	1	0.24
(1,48)	1:8:A:VAL:HA	1:8:A:VAL:H	4	0.24
(1,48)	1:8:A:VAL:HA	1:8:A:VAL:H	5	0.24
(1,48)	1:8:A:VAL:HA	1:8:A:VAL:H	8	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:8:A:VAL:HA	1:8:A:VAL:H	9	0.24
(1,48)	1:8:A:VAL:HA	1:8:A:VAL:H	10	0.24
(1,12)	1:26:A:PHE:H	1:26:A:PHE:HB2	8	0.24
(1,564)	1:28:A:VAL:HG21	1:25:A:LEU:HA	3	0.23
(1,564)	1:28:A:VAL:HG22	1:25:A:LEU:HA	3	0.23
(1,564)	1:28:A:VAL:HG23	1:25:A:LEU:HA	3	0.23
(1,545)	1:3:A:VAL:HG21	1:3:A:VAL:HA	2	0.23
(1,545)	1:3:A:VAL:HG22	1:3:A:VAL:HA	2	0.23
(1,545)	1:3:A:VAL:HG23	1:3:A:VAL:HA	2	0.23
(1,545)	1:3:A:VAL:HG21	1:3:A:VAL:HA	8	0.23
(1,545)	1:3:A:VAL:HG22	1:3:A:VAL:HA	8	0.23
(1,545)	1:3:A:VAL:HG23	1:3:A:VAL:HA	8	0.23
(1,545)	1:3:A:VAL:HG21	1:3:A:VAL:HA	10	0.23
(1,545)	1:3:A:VAL:HG22	1:3:A:VAL:HA	10	0.23
(1,545)	1:3:A:VAL:HG23	1:3:A:VAL:HA	10	0.23
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD11	3	0.23
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD12	3	0.23
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD13	3	0.23
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD11	8	0.23
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD12	8	0.23
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD13	8	0.23
(1,464)	1:34:A:ILE:HG21	1:34:A:ILE:HA	4	0.23
(1,464)	1:34:A:ILE:HG22	1:34:A:ILE:HA	4	0.23
(1,464)	1:34:A:ILE:HG23	1:34:A:ILE:HA	4	0.23
(1,447)	1:28:A:VAL:HG21	1:28:A:VAL:HA	3	0.23
(1,447)	1:28:A:VAL:HG22	1:28:A:VAL:HA	3	0.23
(1,447)	1:28:A:VAL:HG23	1:28:A:VAL:HA	3	0.23
(1,427)	1:10:A:THR:HG1	1:10:A:THR:HA	10	0.23
(1,410)	1:36:A:ARG:HG2	1:36:A:ARG:HB2	1	0.23
(1,367)	1:36:A:ARG:HB2	1:36:A:ARG:HA	10	0.23
(1,329)	1:17:A:GLN:HA	1:17:A:GLN:HB3	7	0.23
(1,315)	1:17:A:GLN:HB2	1:17:A:GLN:HG3	2	0.23
(1,263)	1:24:A:THR:HA	1:24:A:THR:HG1	5	0.23
(1,233)	1:37:A:ILE:HA	1:37:A:ILE:HG12	1	0.23
(1,228)	1:34:A:ILE:HG21	1:34:A:ILE:HA	4	0.23
(1,228)	1:34:A:ILE:HG22	1:34:A:ILE:HA	4	0.23
(1,228)	1:34:A:ILE:HG23	1:34:A:ILE:HA	4	0.23
(1,220)	1:12:A:LEU:HB2	1:12:A:LEU:HA	2	0.23
(1,220)	1:12:A:LEU:HB2	1:12:A:LEU:HA	4	0.23
(1,220)	1:12:A:LEU:HB2	1:12:A:LEU:HA	5	0.23
(1,220)	1:12:A:LEU:HB2	1:12:A:LEU:HA	6	0.23
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG21	3	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG22	3	0.23
(1,194)	1:19:A:TYR:HD1	1:15:A:ILE:HG23	3	0.23
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG21	3	0.23
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG22	3	0.23
(1,194)	1:19:A:TYR:HD2	1:15:A:ILE:HG23	3	0.23
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG21	2	0.23
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG22	2	0.23
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG23	2	0.23
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD11	5	0.23
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD12	5	0.23
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD13	5	0.23
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD11	9	0.23
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD12	9	0.23
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD13	9	0.23
(1,144)	1:36:A:ARG:HA	1:37:A:ILE:H	3	0.23
(1,125)	1:7:A:ILE:HB	1:8:A:VAL:H	2	0.23
(1,122)	1:11:A:VAL:HG11	1:11:A:VAL:H	7	0.23
(1,122)	1:11:A:VAL:HG12	1:11:A:VAL:H	7	0.23
(1,122)	1:11:A:VAL:HG13	1:11:A:VAL:H	7	0.23
(1,94)	1:13:A:SER:H	1:14:A:ASP:H	1	0.23
(1,94)	1:13:A:SER:H	1:14:A:ASP:H	7	0.23
(1,93)	1:16:A:ILE:H	1:17:A:GLN:H	8	0.23
(1,88)	1:13:A:SER:H	1:12:A:LEU:H	2	0.23
(1,72)	1:16:A:ILE:HA	1:16:A:ILE:H	2	0.23
(1,72)	1:16:A:ILE:HA	1:16:A:ILE:H	10	0.23
(1,48)	1:8:A:VAL:HA	1:8:A:VAL:H	2	0.23
(1,48)	1:8:A:VAL:HA	1:8:A:VAL:H	6	0.23
(1,48)	1:8:A:VAL:HA	1:8:A:VAL:H	7	0.23
(1,23)	1:20:A:PHE:H	1:20:A:PHE:HB2	6	0.23
(1,20)	1:17:A:GLN:HB2	1:17:A:GLN:H	7	0.23
(1,20)	1:17:A:GLN:HB2	1:17:A:GLN:H	8	0.23
(1,12)	1:26:A:PHE:H	1:26:A:PHE:HB2	6	0.23
(1,545)	1:3:A:VAL:HG21	1:3:A:VAL:HA	3	0.22
(1,545)	1:3:A:VAL:HG22	1:3:A:VAL:HA	3	0.22
(1,545)	1:3:A:VAL:HG23	1:3:A:VAL:HA	3	0.22
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD21	5	0.22
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD22	5	0.22
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD23	5	0.22
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD11	5	0.22
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD12	5	0.22
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD13	5	0.22
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD11	6	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD12	6	0.22
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD13	6	0.22
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD11	7	0.22
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD12	7	0.22
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD13	7	0.22
(1,474)	1:37:A:ILE:HG21	1:37:A:ILE:HA	3	0.22
(1,474)	1:37:A:ILE:HG22	1:37:A:ILE:HA	3	0.22
(1,474)	1:37:A:ILE:HG23	1:37:A:ILE:HA	3	0.22
(1,464)	1:34:A:ILE:HG21	1:34:A:ILE:HA	9	0.22
(1,464)	1:34:A:ILE:HG22	1:34:A:ILE:HA	9	0.22
(1,464)	1:34:A:ILE:HG23	1:34:A:ILE:HA	9	0.22
(1,443)	1:37:A:ILE:HG13	1:37:A:ILE:HA	7	0.22
(1,434)	1:24:A:THR:HG1	1:24:A:THR:HB	6	0.22
(1,428)	1:34:A:ILE:HG12	1:34:A:ILE:HA	3	0.22
(1,373)	1:36:A:ARG:HB2	1:36:A:ARG:HG2	6	0.22
(1,373)	1:36:A:ARG:HB2	1:36:A:ARG:HG2	9	0.22
(1,368)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	3	0.22
(1,364)	1:29:A:ILE:HB	1:29:A:ILE:HD11	5	0.22
(1,364)	1:29:A:ILE:HB	1:29:A:ILE:HD12	5	0.22
(1,364)	1:29:A:ILE:HB	1:29:A:ILE:HD13	5	0.22
(1,360)	1:29:A:ILE:HB	1:29:A:ILE:HA	8	0.22
(1,347)	1:4:A:ILE:HB	1:4:A:ILE:HA	3	0.22
(1,329)	1:17:A:GLN:HA	1:17:A:GLN:HB3	8	0.22
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG21	9	0.22
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG22	9	0.22
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG23	9	0.22
(1,303)	1:30:A:ARG:HD3	1:30:A:ARG:HB2	1	0.22
(1,296)	1:36:A:ARG:HD2	1:36:A:ARG:HB3	1	0.22
(1,257)	1:28:A:VAL:HG21	1:25:A:LEU:HA	6	0.22
(1,257)	1:28:A:VAL:HG22	1:25:A:LEU:HA	6	0.22
(1,257)	1:28:A:VAL:HG23	1:25:A:LEU:HA	6	0.22
(1,254)	1:3:A:VAL:HA	1:3:A:VAL:HB	4	0.22
(1,244)	1:18:A:LYS:HA	1:18:A:LYS:HB3	3	0.22
(1,244)	1:18:A:LYS:HA	1:18:A:LYS:HB3	10	0.22
(1,228)	1:34:A:ILE:HG21	1:34:A:ILE:HA	9	0.22
(1,228)	1:34:A:ILE:HG22	1:34:A:ILE:HA	9	0.22
(1,228)	1:34:A:ILE:HG23	1:34:A:ILE:HA	9	0.22
(1,220)	1:12:A:LEU:HB2	1:12:A:LEU:HA	1	0.22
(1,220)	1:12:A:LEU:HB2	1:12:A:LEU:HA	3	0.22
(1,220)	1:12:A:LEU:HB2	1:12:A:LEU:HA	7	0.22
(1,220)	1:12:A:LEU:HB2	1:12:A:LEU:HA	8	0.22
(1,220)	1:12:A:LEU:HB2	1:12:A:LEU:HA	9	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:12:A:LEU:HB2	1:12:A:LEU:HA	10	0.22
(1,214)	1:13:A:SER:HB2	1:13:A:SER:HA	3	0.22
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG21	1	0.22
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG22	1	0.22
(1,168)	1:5:A:LEU:HA	1:8:A:VAL:HG23	1	0.22
(1,112)	1:32:A:ALA:H	1:33:A:ARG:H	1	0.22
(1,94)	1:13:A:SER:H	1:14:A:ASP:H	2	0.22
(1,93)	1:16:A:ILE:H	1:17:A:GLN:H	2	0.22
(1,75)	1:15:A:ILE:H	1:16:A:ILE:H	5	0.22
(1,73)	1:16:A:ILE:HB	1:16:A:ILE:H	4	0.22
(1,72)	1:16:A:ILE:HA	1:16:A:ILE:H	1	0.22
(1,72)	1:16:A:ILE:HA	1:16:A:ILE:H	8	0.22
(1,71)	1:17:A:GLN:H	1:16:A:ILE:H	1	0.22
(1,50)	1:8:A:VAL:HG21	1:8:A:VAL:H	2	0.22
(1,50)	1:8:A:VAL:HG22	1:8:A:VAL:H	2	0.22
(1,50)	1:8:A:VAL:HG23	1:8:A:VAL:H	2	0.22
(1,38)	1:29:A:ILE:HB	1:29:A:ILE:H	6	0.22
(1,24)	1:20:A:PHE:H	1:21:A:PHE:H	6	0.22
(1,4)	1:19:A:TYR:HB2	1:19:A:TYR:H	5	0.22
(1,510)	1:26:A:PHE:HB3	1:26:A:PHE:HA	5	0.21
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD11	9	0.21
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD12	9	0.21
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD13	9	0.21
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD11	1	0.21
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD12	1	0.21
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD13	1	0.21
(1,464)	1:34:A:ILE:HG21	1:34:A:ILE:HA	2	0.21
(1,464)	1:34:A:ILE:HG22	1:34:A:ILE:HA	2	0.21
(1,464)	1:34:A:ILE:HG23	1:34:A:ILE:HA	2	0.21
(1,447)	1:28:A:VAL:HG21	1:28:A:VAL:HA	10	0.21
(1,447)	1:28:A:VAL:HG22	1:28:A:VAL:HA	10	0.21
(1,447)	1:28:A:VAL:HG23	1:28:A:VAL:HA	10	0.21
(1,434)	1:24:A:THR:HG1	1:24:A:THR:HB	5	0.21
(1,367)	1:36:A:ARG:HB2	1:36:A:ARG:HA	4	0.21
(1,362)	1:33:A:ARG:HB3	1:33:A:ARG:HA	8	0.21
(1,360)	1:29:A:ILE:HB	1:29:A:ILE:HA	1	0.21
(1,360)	1:29:A:ILE:HB	1:29:A:ILE:HA	6	0.21
(1,360)	1:29:A:ILE:HB	1:29:A:ILE:HA	9	0.21
(1,315)	1:17:A:GLN:HB2	1:17:A:GLN:HG3	5	0.21
(1,244)	1:18:A:LYS:HA	1:18:A:LYS:HB3	2	0.21
(1,243)	1:25:A:LEU:HB2	1:25:A:LEU:HA	8	0.21
(1,228)	1:34:A:ILE:HG21	1:34:A:ILE:HA	2	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:34:A:ILE:HG22	1:34:A:ILE:HA	2	0.21
(1,228)	1:34:A:ILE:HG23	1:34:A:ILE:HA	2	0.21
(1,214)	1:13:A:SER:HB2	1:13:A:SER:HA	5	0.21
(1,199)	1:20:A:PHE:HA	1:20:A:PHE:HB2	1	0.21
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD11	8	0.21
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD12	8	0.21
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD13	8	0.21
(1,158)	1:12:A:LEU:HB2	1:13:A:SER:H	2	0.21
(1,157)	1:4:A:ILE:H	1:3:A:VAL:HB	8	0.21
(1,125)	1:7:A:ILE:HB	1:8:A:VAL:H	5	0.21
(1,124)	1:5:A:LEU:HA	1:8:A:VAL:H	8	0.21
(1,112)	1:32:A:ALA:H	1:33:A:ARG:H	7	0.21
(1,105)	1:12:A:LEU:H	1:13:A:SER:H	1	0.21
(1,105)	1:12:A:LEU:H	1:13:A:SER:H	8	0.21
(1,94)	1:13:A:SER:H	1:14:A:ASP:H	5	0.21
(1,93)	1:16:A:ILE:H	1:17:A:GLN:H	4	0.21
(1,93)	1:16:A:ILE:H	1:17:A:GLN:H	10	0.21
(1,73)	1:16:A:ILE:HB	1:16:A:ILE:H	8	0.21
(1,72)	1:16:A:ILE:HA	1:16:A:ILE:H	6	0.21
(1,72)	1:16:A:ILE:HA	1:16:A:ILE:H	9	0.21
(1,26)	1:21:A:PHE:HB2	1:21:A:PHE:H	2	0.21
(1,1)	1:9:A:GLY:HA2	1:9:A:GLY:H	3	0.21
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG11	9	0.2
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG12	9	0.2
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG13	9	0.2
(1,518)	1:14:A:ASP:HB2	1:11:A:VAL:HA	8	0.2
(1,510)	1:26:A:PHE:HB3	1:26:A:PHE:HA	1	0.2
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD11	4	0.2
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD12	4	0.2
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD13	4	0.2
(1,443)	1:37:A:ILE:HG13	1:37:A:ILE:HA	4	0.2
(1,443)	1:37:A:ILE:HG13	1:37:A:ILE:HA	6	0.2
(1,426)	1:10:A:THR:HG1	1:10:A:THR:HB	7	0.2
(1,360)	1:29:A:ILE:HB	1:29:A:ILE:HA	4	0.2
(1,360)	1:29:A:ILE:HB	1:29:A:ILE:HA	7	0.2
(1,360)	1:29:A:ILE:HB	1:29:A:ILE:HA	10	0.2
(1,329)	1:17:A:GLN:HA	1:17:A:GLN:HB3	4	0.2
(1,244)	1:18:A:LYS:HA	1:18:A:LYS:HB3	4	0.2
(1,244)	1:18:A:LYS:HA	1:18:A:LYS:HB3	6	0.2
(1,244)	1:18:A:LYS:HA	1:18:A:LYS:HB3	8	0.2
(1,207)	1:36:A:ARG:HA	1:36:A:ARG:HB3	4	0.2
(1,180)	1:23:A:PRO:HD3	1:24:A:THR:HB	10	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:12:A:LEU:HB2	1:13:A:SER:H	1	0.2
(1,105)	1:12:A:LEU:H	1:13:A:SER:H	4	0.2
(1,73)	1:16:A:ILE:HB	1:16:A:ILE:H	7	0.2
(1,72)	1:16:A:ILE:HA	1:16:A:ILE:H	3	0.2
(1,26)	1:21:A:PHE:HB2	1:21:A:PHE:H	4	0.2
(1,10)	1:33:A:ARG:HD2	1:33:A:ARG:H	8	0.2
(1,1)	1:9:A:GLY:HA2	1:9:A:GLY:H	7	0.2
(1,561)	1:27:A:ARG:HA	1:27:A:ARG:HG2	7	0.19
(1,555)	1:7:A:ILE:HB	1:7:A:ILE:HG13	3	0.19
(1,529)	1:28:A:VAL:HG21	1:28:A:VAL:HA	7	0.19
(1,529)	1:28:A:VAL:HG22	1:28:A:VAL:HA	7	0.19
(1,529)	1:28:A:VAL:HG23	1:28:A:VAL:HA	7	0.19
(1,475)	1:18:A:LYS:HA	1:18:A:LYS:HG3	5	0.19
(1,468)	1:34:A:ILE:HG21	1:34:A:ILE:HB	3	0.19
(1,468)	1:34:A:ILE:HG22	1:34:A:ILE:HB	3	0.19
(1,468)	1:34:A:ILE:HG23	1:34:A:ILE:HB	3	0.19
(1,468)	1:34:A:ILE:HG21	1:34:A:ILE:HB	5	0.19
(1,468)	1:34:A:ILE:HG22	1:34:A:ILE:HB	5	0.19
(1,468)	1:34:A:ILE:HG23	1:34:A:ILE:HB	5	0.19
(1,468)	1:34:A:ILE:HG21	1:34:A:ILE:HB	6	0.19
(1,468)	1:34:A:ILE:HG22	1:34:A:ILE:HB	6	0.19
(1,468)	1:34:A:ILE:HG23	1:34:A:ILE:HB	6	0.19
(1,468)	1:34:A:ILE:HG21	1:34:A:ILE:HB	7	0.19
(1,468)	1:34:A:ILE:HG22	1:34:A:ILE:HB	7	0.19
(1,468)	1:34:A:ILE:HG23	1:34:A:ILE:HB	7	0.19
(1,468)	1:34:A:ILE:HG21	1:34:A:ILE:HB	8	0.19
(1,468)	1:34:A:ILE:HG22	1:34:A:ILE:HB	8	0.19
(1,468)	1:34:A:ILE:HG23	1:34:A:ILE:HB	8	0.19
(1,468)	1:34:A:ILE:HG21	1:34:A:ILE:HB	10	0.19
(1,468)	1:34:A:ILE:HG22	1:34:A:ILE:HB	10	0.19
(1,468)	1:34:A:ILE:HG23	1:34:A:ILE:HB	10	0.19
(1,434)	1:24:A:THR:HG1	1:24:A:THR:HB	4	0.19
(1,373)	1:36:A:ARG:HB2	1:36:A:ARG:HG2	4	0.19
(1,360)	1:29:A:ILE:HB	1:29:A:ILE:HA	2	0.19
(1,360)	1:29:A:ILE:HB	1:29:A:ILE:HA	3	0.19
(1,268)	1:15:A:ILE:HG12	1:15:A:ILE:HA	6	0.19
(1,259)	1:14:A:ASP:HB3	1:11:A:VAL:HA	3	0.19
(1,244)	1:18:A:LYS:HA	1:18:A:LYS:HB3	1	0.19
(1,244)	1:18:A:LYS:HA	1:18:A:LYS:HB3	7	0.19
(1,235)	1:27:A:ARG:HA	1:27:A:ARG:HD3	8	0.19
(1,207)	1:36:A:ARG:HA	1:36:A:ARG:HB3	10	0.19
(1,138)	1:29:A:ILE:HA	1:32:A:ALA:H	4	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,138)	1:29:A:ILE:HA	1:32:A:ALA:H	9	0.19
(1,112)	1:32:A:ALA:H	1:33:A:ARG:H	9	0.19
(1,94)	1:13:A:SER:H	1:14:A:ASP:H	6	0.19
(1,75)	1:15:A:ILE:H	1:16:A:ILE:H	7	0.19
(1,73)	1:16:A:ILE:HB	1:16:A:ILE:H	9	0.19
(1,54)	1:30:A:ARG:HD3	1:30:A:ARG:H	7	0.19
(1,1)	1:9:A:GLY:HA2	1:9:A:GLY:H	1	0.19
(1,1)	1:9:A:GLY:HA2	1:9:A:GLY:H	2	0.19
(1,1)	1:9:A:GLY:HA2	1:9:A:GLY:H	4	0.19
(1,1)	1:9:A:GLY:HA2	1:9:A:GLY:H	5	0.19
(1,1)	1:9:A:GLY:HA2	1:9:A:GLY:H	9	0.19
(1,1)	1:9:A:GLY:HA2	1:9:A:GLY:H	10	0.19
(1,555)	1:7:A:ILE:HB	1:7:A:ILE:HG13	1	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG11	1	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG12	1	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG13	1	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG11	2	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG12	2	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG13	2	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG11	3	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG12	3	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG13	3	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG11	4	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG12	4	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG13	4	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG11	5	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG12	5	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG13	5	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG11	6	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG12	6	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG13	6	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG11	7	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG12	7	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG13	7	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG11	8	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG12	8	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG13	8	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG11	10	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG12	10	0.18
(1,534)	1:8:A:VAL:HB	1:8:A:VAL:HG13	10	0.18
(1,529)	1:28:A:VAL:HG21	1:28:A:VAL:HA	4	0.18
(1,529)	1:28:A:VAL:HG22	1:28:A:VAL:HA	4	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,529)	1:28:A:VAL:HG23	1:28:A:VAL:HA	4	0.18
(1,529)	1:28:A:VAL:HG21	1:28:A:VAL:HA	5	0.18
(1,529)	1:28:A:VAL:HG22	1:28:A:VAL:HA	5	0.18
(1,529)	1:28:A:VAL:HG23	1:28:A:VAL:HA	5	0.18
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD11	7	0.18
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD12	7	0.18
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD13	7	0.18
(1,468)	1:34:A:ILE:HG21	1:34:A:ILE:HB	1	0.18
(1,468)	1:34:A:ILE:HG22	1:34:A:ILE:HB	1	0.18
(1,468)	1:34:A:ILE:HG23	1:34:A:ILE:HB	1	0.18
(1,468)	1:34:A:ILE:HG21	1:34:A:ILE:HB	2	0.18
(1,468)	1:34:A:ILE:HG22	1:34:A:ILE:HB	2	0.18
(1,468)	1:34:A:ILE:HG23	1:34:A:ILE:HB	2	0.18
(1,468)	1:34:A:ILE:HG21	1:34:A:ILE:HB	4	0.18
(1,468)	1:34:A:ILE:HG22	1:34:A:ILE:HB	4	0.18
(1,468)	1:34:A:ILE:HG23	1:34:A:ILE:HB	4	0.18
(1,468)	1:34:A:ILE:HG21	1:34:A:ILE:HB	9	0.18
(1,468)	1:34:A:ILE:HG22	1:34:A:ILE:HB	9	0.18
(1,468)	1:34:A:ILE:HG23	1:34:A:ILE:HB	9	0.18
(1,464)	1:34:A:ILE:HG21	1:34:A:ILE:HA	8	0.18
(1,464)	1:34:A:ILE:HG22	1:34:A:ILE:HA	8	0.18
(1,464)	1:34:A:ILE:HG23	1:34:A:ILE:HA	8	0.18
(1,428)	1:34:A:ILE:HG12	1:34:A:ILE:HA	7	0.18
(1,381)	1:37:A:ILE:HB	1:37:A:ILE:HG12	2	0.18
(1,381)	1:37:A:ILE:HB	1:37:A:ILE:HG12	6	0.18
(1,381)	1:37:A:ILE:HB	1:37:A:ILE:HG12	7	0.18
(1,360)	1:29:A:ILE:HB	1:29:A:ILE:HA	5	0.18
(1,307)	1:14:A:ASP:HB3	1:11:A:VAL:HA	4	0.18
(1,273)	1:6:A:SER:HB3	1:6:A:SER:HA	7	0.18
(1,237)	1:27:A:ARG:HA	1:27:A:ARG:HB2	1	0.18
(1,237)	1:27:A:ARG:HA	1:27:A:ARG:HB2	10	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB1	1	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB2	1	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB3	1	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB1	2	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB2	2	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB3	2	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB1	4	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB2	4	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB3	4	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB1	5	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB2	5	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB3	5	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB1	6	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB2	6	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB3	6	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB1	7	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB2	7	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB3	7	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB1	9	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB2	9	0.18
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB3	9	0.18
(1,232)	1:6:A:SER:HB3	1:6:A:SER:HA	7	0.18
(1,228)	1:34:A:ILE:HG21	1:34:A:ILE:HA	8	0.18
(1,228)	1:34:A:ILE:HG22	1:34:A:ILE:HA	8	0.18
(1,228)	1:34:A:ILE:HG23	1:34:A:ILE:HA	8	0.18
(1,218)	1:26:A:PHE:HA	1:29:A:ILE:HD11	2	0.18
(1,218)	1:26:A:PHE:HA	1:29:A:ILE:HD12	2	0.18
(1,218)	1:26:A:PHE:HA	1:29:A:ILE:HD13	2	0.18
(1,207)	1:36:A:ARG:HA	1:36:A:ARG:HB3	3	0.18
(1,207)	1:36:A:ARG:HA	1:36:A:ARG:HB3	8	0.18
(1,196)	1:20:A:PHE:HD1	1:16:A:ILE:HG21	6	0.18
(1,196)	1:20:A:PHE:HD1	1:16:A:ILE:HG22	6	0.18
(1,196)	1:20:A:PHE:HD1	1:16:A:ILE:HG23	6	0.18
(1,196)	1:20:A:PHE:HD2	1:16:A:ILE:HG21	6	0.18
(1,196)	1:20:A:PHE:HD2	1:16:A:ILE:HG22	6	0.18
(1,196)	1:20:A:PHE:HD2	1:16:A:ILE:HG23	6	0.18
(1,186)	1:26:A:PHE:HD1	1:26:A:PHE:HA	3	0.18
(1,186)	1:26:A:PHE:HD2	1:26:A:PHE:HA	3	0.18
(1,174)	1:36:A:ARG:HA	1:36:A:ARG:HG2	5	0.18
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD11	7	0.18
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD12	7	0.18
(1,162)	1:20:A:PHE:HD1	1:25:A:LEU:HD13	7	0.18
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD11	7	0.18
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD12	7	0.18
(1,162)	1:20:A:PHE:HD2	1:25:A:LEU:HD13	7	0.18
(1,157)	1:4:A:ILE:H	1:3:A:VAL:HB	6	0.18
(1,93)	1:16:A:ILE:H	1:17:A:GLN:H	5	0.18
(1,92)	1:20:A:PHE:H	1:21:A:PHE:H	8	0.18
(1,76)	1:5:A:LEU:HA	1:5:A:LEU:H	1	0.18
(1,39)	1:29:A:ILE:HG13	1:29:A:ILE:H	5	0.18
(1,38)	1:29:A:ILE:HB	1:29:A:ILE:H	1	0.18
(1,3)	1:19:A:TYR:HA	1:19:A:TYR:H	5	0.18
(1,3)	1:19:A:TYR:HA	1:19:A:TYR:H	7	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:9:A:GLY:HA2	1:9:A:GLY:H	6	0.18
(1,1)	1:9:A:GLY:HA2	1:9:A:GLY:H	8	0.18
(1,555)	1:7:A:ILE:HB	1:7:A:ILE:HG13	6	0.17
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD21	8	0.17
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD22	8	0.17
(1,543)	1:20:A:PHE:HB3	1:25:A:LEU:HD23	8	0.17
(1,529)	1:28:A:VAL:HG21	1:28:A:VAL:HA	9	0.17
(1,529)	1:28:A:VAL:HG22	1:28:A:VAL:HA	9	0.17
(1,529)	1:28:A:VAL:HG23	1:28:A:VAL:HA	9	0.17
(1,510)	1:26:A:PHE:HB3	1:26:A:PHE:HA	7	0.17
(1,510)	1:26:A:PHE:HB3	1:26:A:PHE:HA	9	0.17
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD11	6	0.17
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD12	6	0.17
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD13	6	0.17
(1,464)	1:34:A:ILE:HG21	1:34:A:ILE:HA	5	0.17
(1,464)	1:34:A:ILE:HG22	1:34:A:ILE:HA	5	0.17
(1,464)	1:34:A:ILE:HG23	1:34:A:ILE:HA	5	0.17
(1,464)	1:34:A:ILE:HG21	1:34:A:ILE:HA	6	0.17
(1,464)	1:34:A:ILE:HG22	1:34:A:ILE:HA	6	0.17
(1,464)	1:34:A:ILE:HG23	1:34:A:ILE:HA	6	0.17
(1,457)	1:3:A:VAL:HG21	1:3:A:VAL:HB	1	0.17
(1,457)	1:3:A:VAL:HG22	1:3:A:VAL:HB	1	0.17
(1,457)	1:3:A:VAL:HG23	1:3:A:VAL:HB	1	0.17
(1,457)	1:3:A:VAL:HG21	1:3:A:VAL:HB	2	0.17
(1,457)	1:3:A:VAL:HG22	1:3:A:VAL:HB	2	0.17
(1,457)	1:3:A:VAL:HG23	1:3:A:VAL:HB	2	0.17
(1,457)	1:3:A:VAL:HG21	1:3:A:VAL:HB	3	0.17
(1,457)	1:3:A:VAL:HG22	1:3:A:VAL:HB	3	0.17
(1,457)	1:3:A:VAL:HG23	1:3:A:VAL:HB	3	0.17
(1,457)	1:3:A:VAL:HG21	1:3:A:VAL:HB	4	0.17
(1,457)	1:3:A:VAL:HG22	1:3:A:VAL:HB	4	0.17
(1,457)	1:3:A:VAL:HG23	1:3:A:VAL:HB	4	0.17
(1,457)	1:3:A:VAL:HG21	1:3:A:VAL:HB	5	0.17
(1,457)	1:3:A:VAL:HG22	1:3:A:VAL:HB	5	0.17
(1,457)	1:3:A:VAL:HG23	1:3:A:VAL:HB	5	0.17
(1,457)	1:3:A:VAL:HG21	1:3:A:VAL:HB	6	0.17
(1,457)	1:3:A:VAL:HG22	1:3:A:VAL:HB	6	0.17
(1,457)	1:3:A:VAL:HG23	1:3:A:VAL:HB	6	0.17
(1,457)	1:3:A:VAL:HG21	1:3:A:VAL:HB	7	0.17
(1,457)	1:3:A:VAL:HG22	1:3:A:VAL:HB	7	0.17
(1,457)	1:3:A:VAL:HG23	1:3:A:VAL:HB	7	0.17
(1,457)	1:3:A:VAL:HG21	1:3:A:VAL:HB	8	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,457)	1:3:A:VAL:HG22	1:3:A:VAL:HB	8	0.17
(1,457)	1:3:A:VAL:HG23	1:3:A:VAL:HB	8	0.17
(1,457)	1:3:A:VAL:HG21	1:3:A:VAL:HB	9	0.17
(1,457)	1:3:A:VAL:HG22	1:3:A:VAL:HB	9	0.17
(1,457)	1:3:A:VAL:HG23	1:3:A:VAL:HB	9	0.17
(1,457)	1:3:A:VAL:HG21	1:3:A:VAL:HB	10	0.17
(1,457)	1:3:A:VAL:HG22	1:3:A:VAL:HB	10	0.17
(1,457)	1:3:A:VAL:HG23	1:3:A:VAL:HB	10	0.17
(1,443)	1:37:A:ILE:HG13	1:37:A:ILE:HA	2	0.17
(1,426)	1:10:A:THR:HG1	1:10:A:THR:HB	1	0.17
(1,381)	1:37:A:ILE:HB	1:37:A:ILE:HG12	4	0.17
(1,373)	1:36:A:ARG:HB2	1:36:A:ARG:HG2	2	0.17
(1,362)	1:33:A:ARG:HB3	1:33:A:ARG:HA	7	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG21	1	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG22	1	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG23	1	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG21	2	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG22	2	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG23	2	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG21	3	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG22	3	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG23	3	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG21	4	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG22	4	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG23	4	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG21	5	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG22	5	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG23	5	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG21	6	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG22	6	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG23	6	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG21	7	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG22	7	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG23	7	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG21	8	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG22	8	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG23	8	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG21	10	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG22	10	0.17
(1,327)	1:8:A:VAL:HB	1:8:A:VAL:HG23	10	0.17
(1,315)	1:17:A:GLN:HB2	1:17:A:GLN:HG3	4	0.17
(1,315)	1:17:A:GLN:HB2	1:17:A:GLN:HG3	9	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:30:A:ARG:HD3	1:30:A:ARG:HB2	5	0.17
(1,284)	1:28:A:VAL:HG11	1:28:A:VAL:HA	8	0.17
(1,284)	1:28:A:VAL:HG12	1:28:A:VAL:HA	8	0.17
(1,284)	1:28:A:VAL:HG13	1:28:A:VAL:HA	8	0.17
(1,246)	1:30:A:ARG:HA	1:30:A:ARG:HB2	4	0.17
(1,235)	1:27:A:ARG:HA	1:27:A:ARG:HD3	1	0.17
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB1	3	0.17
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB2	3	0.17
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB3	3	0.17
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB1	8	0.17
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB2	8	0.17
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB3	8	0.17
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB1	10	0.17
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB2	10	0.17
(1,234)	1:32:A:ALA:HA	1:32:A:ALA:HB3	10	0.17
(1,228)	1:34:A:ILE:HG21	1:34:A:ILE:HA	5	0.17
(1,228)	1:34:A:ILE:HG22	1:34:A:ILE:HA	5	0.17
(1,228)	1:34:A:ILE:HG23	1:34:A:ILE:HA	5	0.17
(1,228)	1:34:A:ILE:HG21	1:34:A:ILE:HA	6	0.17
(1,228)	1:34:A:ILE:HG22	1:34:A:ILE:HA	6	0.17
(1,228)	1:34:A:ILE:HG23	1:34:A:ILE:HA	6	0.17
(1,214)	1:13:A:SER:HB2	1:13:A:SER:HA	2	0.17
(1,205)	1:36:A:ARG:HD2	1:36:A:ARG:HA	5	0.17
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD11	2	0.17
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD12	2	0.17
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD13	2	0.17
(1,122)	1:11:A:VAL:HG11	1:11:A:VAL:H	10	0.17
(1,122)	1:11:A:VAL:HG12	1:11:A:VAL:H	10	0.17
(1,122)	1:11:A:VAL:HG13	1:11:A:VAL:H	10	0.17
(1,116)	1:26:A:PHE:H	1:25:A:LEU:H	8	0.17
(1,112)	1:32:A:ALA:H	1:33:A:ARG:H	5	0.17
(1,92)	1:20:A:PHE:H	1:21:A:PHE:H	9	0.17
(1,76)	1:5:A:LEU:HA	1:5:A:LEU:H	3	0.17
(1,76)	1:5:A:LEU:HA	1:5:A:LEU:H	5	0.17
(1,76)	1:5:A:LEU:HA	1:5:A:LEU:H	7	0.17
(1,76)	1:5:A:LEU:HA	1:5:A:LEU:H	9	0.17
(1,73)	1:16:A:ILE:HB	1:16:A:ILE:H	3	0.17
(1,38)	1:29:A:ILE:HB	1:29:A:ILE:H	9	0.17
(1,23)	1:20:A:PHE:H	1:20:A:PHE:HB2	3	0.17
(1,3)	1:19:A:TYR:HA	1:19:A:TYR:H	2	0.17
(1,3)	1:19:A:TYR:HA	1:19:A:TYR:H	4	0.17
(1,3)	1:19:A:TYR:HA	1:19:A:TYR:H	6	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:3:A:VAL:HG21	1:3:A:VAL:HA	9	0.16
(1,545)	1:3:A:VAL:HG22	1:3:A:VAL:HA	9	0.16
(1,545)	1:3:A:VAL:HG23	1:3:A:VAL:HA	9	0.16
(1,526)	1:17:A:GLN:HB3	1:17:A:GLN:HG3	6	0.16
(1,518)	1:14:A:ASP:HB2	1:11:A:VAL:HA	3	0.16
(1,426)	1:10:A:THR:HG1	1:10:A:THR:HB	2	0.16
(1,373)	1:36:A:ARG:HB2	1:36:A:ARG:HG2	5	0.16
(1,362)	1:33:A:ARG:HB3	1:33:A:ARG:HA	1	0.16
(1,362)	1:33:A:ARG:HB3	1:33:A:ARG:HA	9	0.16
(1,273)	1:6:A:SER:HB3	1:6:A:SER:HA	3	0.16
(1,273)	1:6:A:SER:HB3	1:6:A:SER:HA	4	0.16
(1,273)	1:6:A:SER:HB3	1:6:A:SER:HA	6	0.16
(1,273)	1:6:A:SER:HB3	1:6:A:SER:HA	8	0.16
(1,246)	1:30:A:ARG:HA	1:30:A:ARG:HB2	10	0.16
(1,237)	1:27:A:ARG:HA	1:27:A:ARG:HB2	3	0.16
(1,232)	1:6:A:SER:HB3	1:6:A:SER:HA	3	0.16
(1,232)	1:6:A:SER:HB3	1:6:A:SER:HA	4	0.16
(1,232)	1:6:A:SER:HB3	1:6:A:SER:HA	6	0.16
(1,232)	1:6:A:SER:HB3	1:6:A:SER:HA	8	0.16
(1,158)	1:12:A:LEU:HB2	1:13:A:SER:H	6	0.16
(1,144)	1:36:A:ARG:HA	1:37:A:ILE:H	7	0.16
(1,138)	1:29:A:ILE:HA	1:32:A:ALA:H	2	0.16
(1,124)	1:5:A:LEU:HA	1:8:A:VAL:H	4	0.16
(1,120)	1:10:A:THR:HB	1:11:A:VAL:H	2	0.16
(1,94)	1:13:A:SER:H	1:14:A:ASP:H	8	0.16
(1,89)	1:12:A:LEU:H	1:11:A:VAL:H	8	0.16
(1,85)	1:36:A:ARG:H	1:37:A:ILE:H	4	0.16
(1,81)	1:37:A:ILE:HB	1:37:A:ILE:H	3	0.16
(1,47)	1:12:A:LEU:H	1:12:A:LEU:HA	1	0.16
(1,47)	1:12:A:LEU:H	1:12:A:LEU:HA	2	0.16
(1,47)	1:12:A:LEU:H	1:12:A:LEU:HA	4	0.16
(1,47)	1:12:A:LEU:H	1:12:A:LEU:HA	6	0.16
(1,38)	1:29:A:ILE:HB	1:29:A:ILE:H	4	0.16
(1,3)	1:19:A:TYR:HA	1:19:A:TYR:H	8	0.16
(1,3)	1:19:A:TYR:HA	1:19:A:TYR:H	9	0.16
(1,3)	1:19:A:TYR:HA	1:19:A:TYR:H	10	0.16
(1,561)	1:27:A:ARG:HA	1:27:A:ARG:HG2	4	0.15
(1,559)	1:27:A:ARG:HB2	1:27:A:ARG:HG2	1	0.15
(1,545)	1:3:A:VAL:HG21	1:3:A:VAL:HA	6	0.15
(1,545)	1:3:A:VAL:HG22	1:3:A:VAL:HA	6	0.15
(1,545)	1:3:A:VAL:HG23	1:3:A:VAL:HA	6	0.15
(1,545)	1:3:A:VAL:HG21	1:3:A:VAL:HA	7	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:3:A:VAL:HG22	1:3:A:VAL:HA	7	0.15
(1,545)	1:3:A:VAL:HG23	1:3:A:VAL:HA	7	0.15
(1,529)	1:28:A:VAL:HG21	1:28:A:VAL:HA	6	0.15
(1,529)	1:28:A:VAL:HG22	1:28:A:VAL:HA	6	0.15
(1,529)	1:28:A:VAL:HG23	1:28:A:VAL:HA	6	0.15
(1,510)	1:26:A:PHE:HB3	1:26:A:PHE:HA	10	0.15
(1,431)	1:4:A:ILE:HG12	1:4:A:ILE:HA	6	0.15
(1,410)	1:36:A:ARG:HG2	1:36:A:ARG:HB2	7	0.15
(1,373)	1:36:A:ARG:HB2	1:36:A:ARG:HG2	10	0.15
(1,364)	1:29:A:ILE:HB	1:29:A:ILE:HD11	2	0.15
(1,364)	1:29:A:ILE:HB	1:29:A:ILE:HD12	2	0.15
(1,364)	1:29:A:ILE:HB	1:29:A:ILE:HD13	2	0.15
(1,315)	1:17:A:GLN:HB2	1:17:A:GLN:HG3	7	0.15
(1,315)	1:17:A:GLN:HB2	1:17:A:GLN:HG3	8	0.15
(1,298)	1:36:A:ARG:HD2	1:36:A:ARG:HG2	6	0.15
(1,298)	1:36:A:ARG:HD2	1:36:A:ARG:HG2	9	0.15
(1,273)	1:6:A:SER:HB3	1:6:A:SER:HA	2	0.15
(1,246)	1:30:A:ARG:HA	1:30:A:ARG:HB2	3	0.15
(1,232)	1:6:A:SER:HB3	1:6:A:SER:HA	2	0.15
(1,214)	1:13:A:SER:HB2	1:13:A:SER:HA	6	0.15
(1,199)	1:20:A:PHE:HA	1:20:A:PHE:HB2	9	0.15
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD11	1	0.15
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD12	1	0.15
(1,163)	1:14:A:ASP:HB3	1:15:A:ILE:HD13	1	0.15
(1,158)	1:12:A:LEU:HB2	1:13:A:SER:H	7	0.15
(1,144)	1:36:A:ARG:HA	1:37:A:ILE:H	4	0.15
(1,105)	1:12:A:LEU:H	1:13:A:SER:H	6	0.15
(1,102)	1:8:A:VAL:HG11	1:9:A:GLY:H	3	0.15
(1,102)	1:8:A:VAL:HG12	1:9:A:GLY:H	3	0.15
(1,102)	1:8:A:VAL:HG13	1:9:A:GLY:H	3	0.15
(1,102)	1:8:A:VAL:HG11	1:9:A:GLY:H	5	0.15
(1,102)	1:8:A:VAL:HG12	1:9:A:GLY:H	5	0.15
(1,102)	1:8:A:VAL:HG13	1:9:A:GLY:H	5	0.15
(1,94)	1:13:A:SER:H	1:14:A:ASP:H	4	0.15
(1,92)	1:20:A:PHE:H	1:21:A:PHE:H	10	0.15
(1,76)	1:5:A:LEU:HA	1:5:A:LEU:H	6	0.15
(1,66)	1:15:A:ILE:HB	1:15:A:ILE:H	9	0.15
(1,47)	1:12:A:LEU:H	1:12:A:LEU:HA	3	0.15
(1,47)	1:12:A:LEU:H	1:12:A:LEU:HA	7	0.15
(1,47)	1:12:A:LEU:H	1:12:A:LEU:HA	8	0.15
(1,47)	1:12:A:LEU:H	1:12:A:LEU:HA	10	0.15
(1,38)	1:29:A:ILE:HB	1:29:A:ILE:H	7	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:19:A:TYR:HA	1:19:A:TYR:H	1	0.15
(1,3)	1:19:A:TYR:HA	1:19:A:TYR:H	3	0.15
(1,551)	1:7:A:ILE:HG21	1:7:A:ILE:HA	9	0.14
(1,551)	1:7:A:ILE:HG22	1:7:A:ILE:HA	9	0.14
(1,551)	1:7:A:ILE:HG23	1:7:A:ILE:HA	9	0.14
(1,550)	1:7:A:ILE:HG13	1:7:A:ILE:HA	2	0.14
(1,529)	1:28:A:VAL:HG21	1:28:A:VAL:HA	2	0.14
(1,529)	1:28:A:VAL:HG22	1:28:A:VAL:HA	2	0.14
(1,529)	1:28:A:VAL:HG23	1:28:A:VAL:HA	2	0.14
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD11	1	0.14
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD12	1	0.14
(1,493)	1:29:A:ILE:HB	1:29:A:ILE:HD13	1	0.14
(1,464)	1:34:A:ILE:HG21	1:34:A:ILE:HA	7	0.14
(1,464)	1:34:A:ILE:HG22	1:34:A:ILE:HA	7	0.14
(1,464)	1:34:A:ILE:HG23	1:34:A:ILE:HA	7	0.14
(1,461)	1:29:A:ILE:HA	1:29:A:ILE:HG21	5	0.14
(1,461)	1:29:A:ILE:HA	1:29:A:ILE:HG22	5	0.14
(1,461)	1:29:A:ILE:HA	1:29:A:ILE:HG23	5	0.14
(1,403)	1:18:A:LYS:HA	1:18:A:LYS:HB2	1	0.14
(1,368)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	2	0.14
(1,362)	1:33:A:ARG:HB3	1:33:A:ARG:HA	4	0.14
(1,329)	1:17:A:GLN:HA	1:17:A:GLN:HB3	10	0.14
(1,321)	1:28:A:VAL:HB	1:28:A:VAL:HA	1	0.14
(1,303)	1:30:A:ARG:HD3	1:30:A:ARG:HB2	7	0.14
(1,291)	1:29:A:ILE:HA	1:29:A:ILE:HG21	5	0.14
(1,291)	1:29:A:ILE:HA	1:29:A:ILE:HG22	5	0.14
(1,291)	1:29:A:ILE:HA	1:29:A:ILE:HG23	5	0.14
(1,283)	1:28:A:VAL:HA	1:28:A:VAL:HB	1	0.14
(1,263)	1:24:A:THR:HA	1:24:A:THR:HG1	7	0.14
(1,260)	1:17:A:GLN:HA	1:21:A:PHE:HB3	8	0.14
(1,233)	1:37:A:ILE:HA	1:37:A:ILE:HG12	5	0.14
(1,228)	1:34:A:ILE:HG21	1:34:A:ILE:HA	7	0.14
(1,228)	1:34:A:ILE:HG22	1:34:A:ILE:HA	7	0.14
(1,228)	1:34:A:ILE:HG23	1:34:A:ILE:HA	7	0.14
(1,185)	1:26:A:PHE:HD1	1:23:A:PRO:HA	5	0.14
(1,185)	1:26:A:PHE:HD2	1:23:A:PRO:HA	5	0.14
(1,161)	1:28:A:VAL:H	1:27:A:ARG:HG3	2	0.14
(1,154)	1:33:A:ARG:H	1:32:A:ALA:H	8	0.14
(1,144)	1:36:A:ARG:HA	1:37:A:ILE:H	10	0.14
(1,138)	1:29:A:ILE:HA	1:32:A:ALA:H	6	0.14
(1,138)	1:29:A:ILE:HA	1:32:A:ALA:H	7	0.14
(1,124)	1:5:A:LEU:HA	1:8:A:VAL:H	10	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:32:A:ALA:H	1:33:A:ARG:H	4	0.14
(1,92)	1:20:A:PHE:H	1:21:A:PHE:H	1	0.14
(1,76)	1:5:A:LEU:HA	1:5:A:LEU:H	2	0.14
(1,73)	1:16:A:ILE:HB	1:16:A:ILE:H	1	0.14
(1,73)	1:16:A:ILE:HB	1:16:A:ILE:H	10	0.14
(1,66)	1:15:A:ILE:HB	1:15:A:ILE:H	4	0.14
(1,66)	1:15:A:ILE:HB	1:15:A:ILE:H	7	0.14
(1,47)	1:12:A:LEU:H	1:12:A:LEU:HA	5	0.14
(1,47)	1:12:A:LEU:H	1:12:A:LEU:HA	9	0.14
(1,24)	1:20:A:PHE:H	1:21:A:PHE:H	3	0.14
(1,551)	1:7:A:ILE:HG21	1:7:A:ILE:HA	5	0.13
(1,551)	1:7:A:ILE:HG22	1:7:A:ILE:HA	5	0.13
(1,551)	1:7:A:ILE:HG23	1:7:A:ILE:HA	5	0.13
(1,551)	1:7:A:ILE:HG21	1:7:A:ILE:HA	7	0.13
(1,551)	1:7:A:ILE:HG22	1:7:A:ILE:HA	7	0.13
(1,551)	1:7:A:ILE:HG23	1:7:A:ILE:HA	7	0.13
(1,551)	1:7:A:ILE:HG21	1:7:A:ILE:HA	10	0.13
(1,551)	1:7:A:ILE:HG22	1:7:A:ILE:HA	10	0.13
(1,551)	1:7:A:ILE:HG23	1:7:A:ILE:HA	10	0.13
(1,529)	1:28:A:VAL:HG21	1:28:A:VAL:HA	3	0.13
(1,529)	1:28:A:VAL:HG22	1:28:A:VAL:HA	3	0.13
(1,529)	1:28:A:VAL:HG23	1:28:A:VAL:HA	3	0.13
(1,447)	1:28:A:VAL:HG21	1:28:A:VAL:HA	8	0.13
(1,447)	1:28:A:VAL:HG22	1:28:A:VAL:HA	8	0.13
(1,447)	1:28:A:VAL:HG23	1:28:A:VAL:HA	8	0.13
(1,434)	1:24:A:THR:HG1	1:24:A:THR:HB	1	0.13
(1,399)	1:27:A:ARG:HA	1:27:A:ARG:HG3	10	0.13
(1,373)	1:36:A:ARG:HB2	1:36:A:ARG:HG2	1	0.13
(1,362)	1:33:A:ARG:HB3	1:33:A:ARG:HA	6	0.13
(1,315)	1:17:A:GLN:HB2	1:17:A:GLN:HG3	1	0.13
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG21	9	0.13
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG22	9	0.13
(1,304)	1:20:A:PHE:HB3	1:16:A:ILE:HG23	9	0.13
(1,303)	1:30:A:ARG:HD3	1:30:A:ARG:HB2	3	0.13
(1,246)	1:30:A:ARG:HA	1:30:A:ARG:HB2	6	0.13
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG21	1	0.13
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG22	1	0.13
(1,197)	1:19:A:TYR:HE1	1:15:A:ILE:HG23	1	0.13
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG21	1	0.13
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG22	1	0.13
(1,197)	1:19:A:TYR:HE2	1:15:A:ILE:HG23	1	0.13
(1,186)	1:26:A:PHE:HD1	1:26:A:PHE:HA	7	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:26:A:PHE:HD2	1:26:A:PHE:HA	7	0.13
(1,158)	1:12:A:LEU:HB2	1:13:A:SER:H	3	0.13
(1,138)	1:29:A:ILE:HA	1:32:A:ALA:H	1	0.13
(1,125)	1:7:A:ILE:HB	1:8:A:VAL:H	6	0.13
(1,110)	1:18:A:LYS:HB2	1:19:A:TYR:H	5	0.13
(1,105)	1:12:A:LEU:H	1:13:A:SER:H	2	0.13
(1,102)	1:8:A:VAL:HG11	1:9:A:GLY:H	8	0.13
(1,102)	1:8:A:VAL:HG12	1:9:A:GLY:H	8	0.13
(1,102)	1:8:A:VAL:HG13	1:9:A:GLY:H	8	0.13
(1,76)	1:5:A:LEU:HA	1:5:A:LEU:H	4	0.13
(1,76)	1:5:A:LEU:HA	1:5:A:LEU:H	8	0.13
(1,76)	1:5:A:LEU:HA	1:5:A:LEU:H	10	0.13
(1,71)	1:17:A:GLN:H	1:16:A:ILE:H	8	0.13
(1,66)	1:15:A:ILE:HB	1:15:A:ILE:H	3	0.13
(1,55)	1:30:A:ARG:HB2	1:30:A:ARG:H	7	0.13
(1,23)	1:20:A:PHE:H	1:20:A:PHE:HB2	4	0.13
(1,551)	1:7:A:ILE:HG21	1:7:A:ILE:HA	4	0.12
(1,551)	1:7:A:ILE:HG22	1:7:A:ILE:HA	4	0.12
(1,551)	1:7:A:ILE:HG23	1:7:A:ILE:HA	4	0.12
(1,485)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	6	0.12
(1,485)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	6	0.12
(1,485)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	6	0.12
(1,407)	1:12:A:LEU:HB3	1:12:A:LEU:HA	8	0.12
(1,407)	1:12:A:LEU:HB3	1:12:A:LEU:HA	9	0.12
(1,407)	1:12:A:LEU:HB3	1:12:A:LEU:HA	10	0.12
(1,364)	1:29:A:ILE:HB	1:29:A:ILE:HD11	3	0.12
(1,364)	1:29:A:ILE:HB	1:29:A:ILE:HD12	3	0.12
(1,364)	1:29:A:ILE:HB	1:29:A:ILE:HD13	3	0.12
(1,246)	1:30:A:ARG:HA	1:30:A:ARG:HB2	2	0.12
(1,238)	1:24:A:THR:HG1	1:24:A:THR:HB	7	0.12
(1,237)	1:27:A:ARG:HA	1:27:A:ARG:HB2	8	0.12
(1,233)	1:37:A:ILE:HA	1:37:A:ILE:HG12	8	0.12
(1,158)	1:12:A:LEU:HB2	1:13:A:SER:H	4	0.12
(1,154)	1:33:A:ARG:H	1:32:A:ALA:H	1	0.12
(1,127)	1:26:A:PHE:HA	1:29:A:ILE:H	3	0.12
(1,124)	1:5:A:LEU:HA	1:8:A:VAL:H	7	0.12
(1,116)	1:26:A:PHE:H	1:25:A:LEU:H	2	0.12
(1,116)	1:26:A:PHE:H	1:25:A:LEU:H	9	0.12
(1,102)	1:8:A:VAL:HG11	1:9:A:GLY:H	7	0.12
(1,102)	1:8:A:VAL:HG12	1:9:A:GLY:H	7	0.12
(1,102)	1:8:A:VAL:HG13	1:9:A:GLY:H	7	0.12
(1,94)	1:13:A:SER:H	1:14:A:ASP:H	10	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:37:A:ILE:HB	1:37:A:ILE:H	9	0.12
(1,81)	1:37:A:ILE:HB	1:37:A:ILE:H	10	0.12
(1,77)	1:5:A:LEU:H	1:5:A:LEU:HB2	9	0.12
(1,73)	1:16:A:ILE:HB	1:16:A:ILE:H	5	0.12
(1,71)	1:17:A:GLN:H	1:16:A:ILE:H	2	0.12
(1,551)	1:7:A:ILE:HG21	1:7:A:ILE:HA	8	0.11
(1,551)	1:7:A:ILE:HG22	1:7:A:ILE:HA	8	0.11
(1,551)	1:7:A:ILE:HG23	1:7:A:ILE:HA	8	0.11
(1,529)	1:28:A:VAL:HG21	1:28:A:VAL:HA	10	0.11
(1,529)	1:28:A:VAL:HG22	1:28:A:VAL:HA	10	0.11
(1,529)	1:28:A:VAL:HG23	1:28:A:VAL:HA	10	0.11
(1,518)	1:14:A:ASP:HB2	1:11:A:VAL:HA	5	0.11
(1,510)	1:26:A:PHE:HB3	1:26:A:PHE:HA	3	0.11
(1,431)	1:4:A:ILE:HG12	1:4:A:ILE:HA	2	0.11
(1,428)	1:34:A:ILE:HG12	1:34:A:ILE:HA	5	0.11
(1,407)	1:12:A:LEU:HB3	1:12:A:LEU:HA	1	0.11
(1,407)	1:12:A:LEU:HB3	1:12:A:LEU:HA	3	0.11
(1,407)	1:12:A:LEU:HB3	1:12:A:LEU:HA	5	0.11
(1,407)	1:12:A:LEU:HB3	1:12:A:LEU:HA	6	0.11
(1,315)	1:17:A:GLN:HB2	1:17:A:GLN:HG3	3	0.11
(1,284)	1:28:A:VAL:HG11	1:28:A:VAL:HA	10	0.11
(1,284)	1:28:A:VAL:HG12	1:28:A:VAL:HA	10	0.11
(1,284)	1:28:A:VAL:HG13	1:28:A:VAL:HA	10	0.11
(1,246)	1:30:A:ARG:HA	1:30:A:ARG:HB2	8	0.11
(1,235)	1:27:A:ARG:HA	1:27:A:ARG:HD3	3	0.11
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD11	3	0.11
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD12	3	0.11
(1,184)	1:26:A:PHE:HD1	1:29:A:ILE:HD13	3	0.11
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD11	3	0.11
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD12	3	0.11
(1,184)	1:26:A:PHE:HD2	1:29:A:ILE:HD13	3	0.11
(1,174)	1:36:A:ARG:HA	1:36:A:ARG:HG2	1	0.11
(1,158)	1:12:A:LEU:HB2	1:13:A:SER:H	5	0.11
(1,154)	1:33:A:ARG:H	1:32:A:ALA:H	7	0.11
(1,124)	1:5:A:LEU:HA	1:8:A:VAL:H	6	0.11
(1,102)	1:8:A:VAL:HG11	1:9:A:GLY:H	1	0.11
(1,102)	1:8:A:VAL:HG12	1:9:A:GLY:H	1	0.11
(1,102)	1:8:A:VAL:HG13	1:9:A:GLY:H	1	0.11
(1,85)	1:36:A:ARG:H	1:37:A:ILE:H	10	0.11
(1,71)	1:17:A:GLN:H	1:16:A:ILE:H	4	0.11
(1,71)	1:17:A:GLN:H	1:16:A:ILE:H	10	0.11
(1,66)	1:15:A:ILE:HB	1:15:A:ILE:H	5	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:30:A:ARG:HB2	1:30:A:ARG:H	5	0.11
(1,34)	1:28:A:VAL:H	1:28:A:VAL:HB	7	0.11
(1,15)	1:18:A:LYS:H	1:18:A:LYS:HB2	2	0.11
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD11	2	0.1
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD12	2	0.1
(1,479)	1:5:A:LEU:HB3	1:5:A:LEU:HD13	2	0.1
(1,464)	1:34:A:ILE:HG21	1:34:A:ILE:HA	3	0.1
(1,464)	1:34:A:ILE:HG22	1:34:A:ILE:HA	3	0.1
(1,464)	1:34:A:ILE:HG23	1:34:A:ILE:HA	3	0.1
(1,461)	1:29:A:ILE:HA	1:29:A:ILE:HG21	2	0.1
(1,461)	1:29:A:ILE:HA	1:29:A:ILE:HG22	2	0.1
(1,461)	1:29:A:ILE:HA	1:29:A:ILE:HG23	2	0.1
(1,461)	1:29:A:ILE:HA	1:29:A:ILE:HG21	3	0.1
(1,461)	1:29:A:ILE:HA	1:29:A:ILE:HG22	3	0.1
(1,461)	1:29:A:ILE:HA	1:29:A:ILE:HG23	3	0.1
(1,456)	1:3:A:VAL:HG21	1:3:A:VAL:HA	5	0.1
(1,456)	1:3:A:VAL:HG22	1:3:A:VAL:HA	5	0.1
(1,456)	1:3:A:VAL:HG23	1:3:A:VAL:HA	5	0.1
(1,426)	1:10:A:THR:HG1	1:10:A:THR:HB	8	0.1
(1,407)	1:12:A:LEU:HB3	1:12:A:LEU:HA	2	0.1
(1,407)	1:12:A:LEU:HB3	1:12:A:LEU:HA	7	0.1
(1,348)	1:27:A:ARG:HB2	1:27:A:ARG:HA	2	0.1
(1,348)	1:27:A:ARG:HB2	1:27:A:ARG:HA	6	0.1
(1,291)	1:29:A:ILE:HA	1:29:A:ILE:HG21	2	0.1
(1,291)	1:29:A:ILE:HA	1:29:A:ILE:HG22	2	0.1
(1,291)	1:29:A:ILE:HA	1:29:A:ILE:HG23	2	0.1
(1,291)	1:29:A:ILE:HA	1:29:A:ILE:HG21	3	0.1
(1,291)	1:29:A:ILE:HA	1:29:A:ILE:HG22	3	0.1
(1,291)	1:29:A:ILE:HA	1:29:A:ILE:HG23	3	0.1
(1,284)	1:28:A:VAL:HG11	1:28:A:VAL:HA	3	0.1
(1,284)	1:28:A:VAL:HG12	1:28:A:VAL:HA	3	0.1
(1,284)	1:28:A:VAL:HG13	1:28:A:VAL:HA	3	0.1
(1,228)	1:34:A:ILE:HG21	1:34:A:ILE:HA	3	0.1
(1,228)	1:34:A:ILE:HG22	1:34:A:ILE:HA	3	0.1
(1,228)	1:34:A:ILE:HG23	1:34:A:ILE:HA	3	0.1
(1,94)	1:13:A:SER:H	1:14:A:ASP:H	9	0.1
(1,81)	1:37:A:ILE:HB	1:37:A:ILE:H	2	0.1
(1,66)	1:15:A:ILE:HB	1:15:A:ILE:H	1	0.1
(1,38)	1:29:A:ILE:HB	1:29:A:ILE:H	2	0.1
(1,38)	1:29:A:ILE:HB	1:29:A:ILE:H	10	0.1

10 Dihedral-angle violation analysis ⓘ

No dihedral-angle restraints found