Full wwPDB NMR Structure Validation Report (i)

Mar 9, 2026 – 03:37 AM UTC

PDB ID	:	2MEM / pdb_00002mem
BMRB ID	:	19526
Title	:	Solution NMR structure of SLED domain of Scml2
Authors	:	Bezsonova, I.
Deposited on	:	2013-09-24

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

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

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

The following versions of software and data (see references (1)) were used in the production of this report:

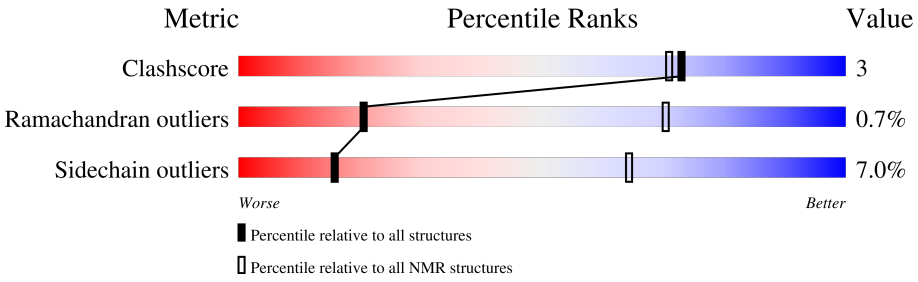
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 87%.

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



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

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

Mol	Chain	Length	Quality of chain
1	A	119	82% 12% 7%

2 Ensemble composition and analysis

This entry contains 20 models. Model 6 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:354-A:464 (111)	0.56	6

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 4 clusters and 2 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 1822 atoms, of which 902 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Sex comb on midleg-like protein 2.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	119	1822	580	902	163	170	7	0

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	350	GLY	-	expression tag	UNP Q9UQR0
A	351	SER	-	expression tag	UNP Q9UQR0
A	352	HIS	-	expression tag	UNP Q9UQR0
A	353	MET	-	expression tag	UNP Q9UQR0

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Sex comb on midleg-like protein 2

Chain A:

4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Sex comb on midleg-like protein 2

Chain A:

4.2.2 Score per residue for model 2

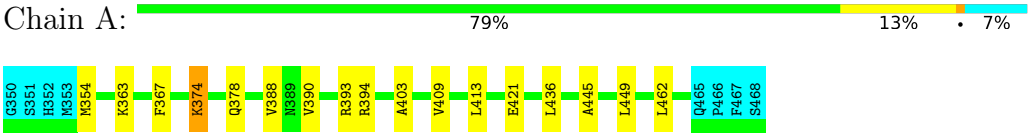
• Molecule 1: Sex comb on midleg-like protein 2

Chain A:

4.2.3 Score per residue for model 3

• Molecule 1: Sex comb on midleg-like protein 2

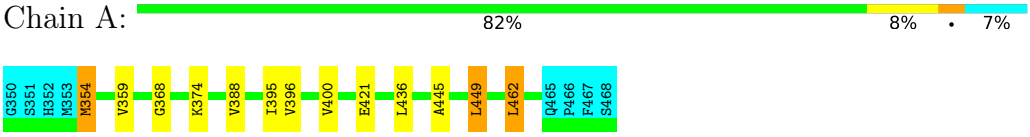
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Sex comb on midleg-like protein 2

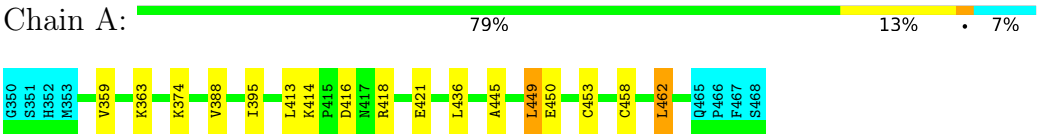
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: Sex comb on midleg-like protein 2

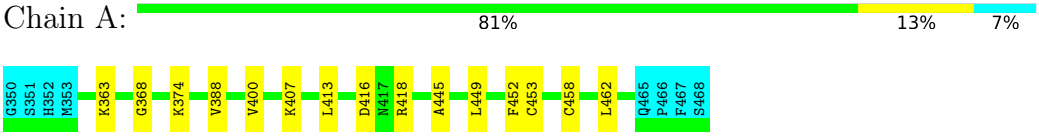
Chain A:



4.2.6 Score per residue for model 6 (medoid)

• Molecule 1: Sex comb on midleg-like protein 2

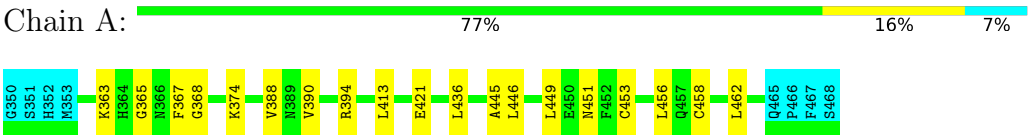
Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: Sex comb on midleg-like protein 2

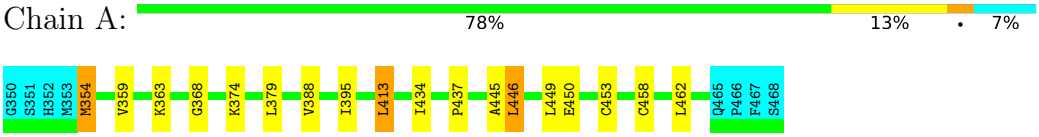
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: Sex comb on midleg-like protein 2

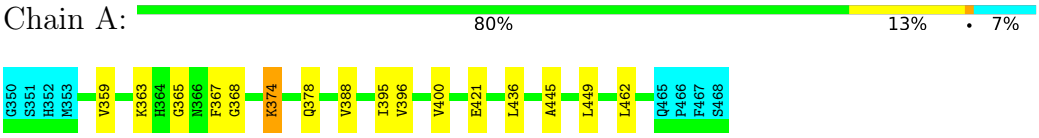
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: Sex comb on midleg-like protein 2

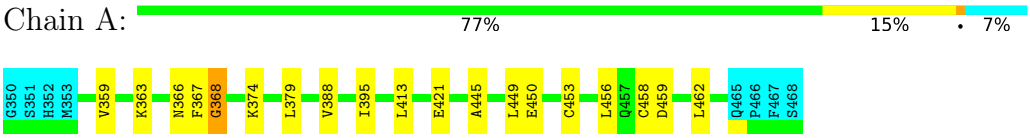
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Sex comb on midleg-like protein 2

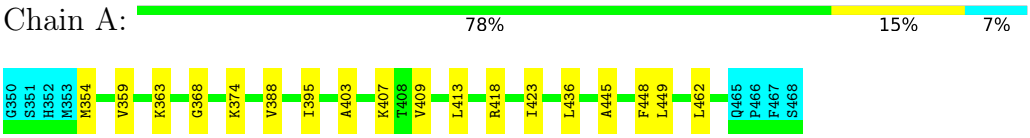
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Sex comb on midleg-like protein 2

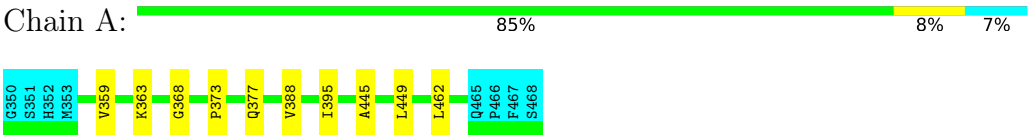
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Sex comb on midleg-like protein 2

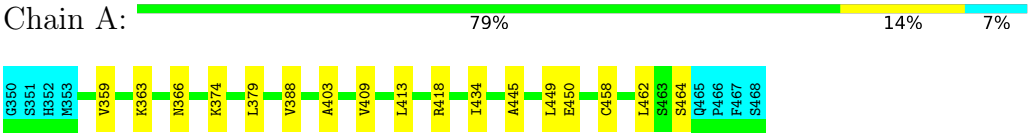
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Sex comb on midleg-like protein 2

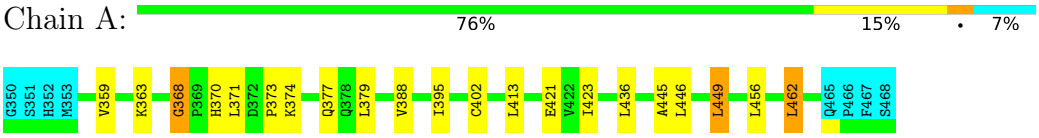
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Sex comb on midleg-like protein 2

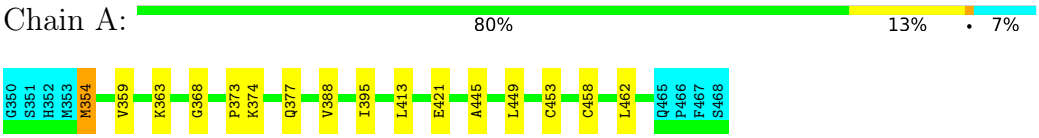
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Sex comb on midleg-like protein 2

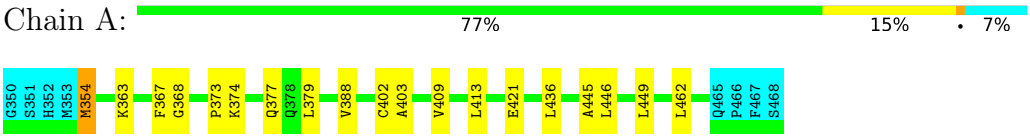
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Sex comb on midleg-like protein 2

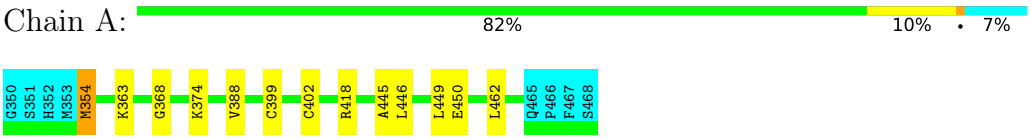
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Sex comb on midleg-like protein 2

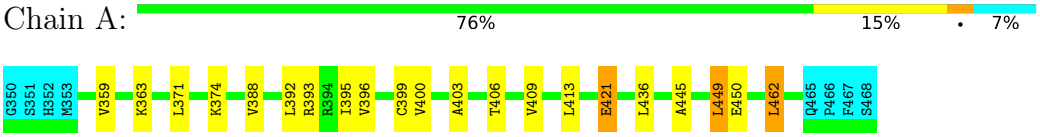
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Sex comb on midleg-like protein 2

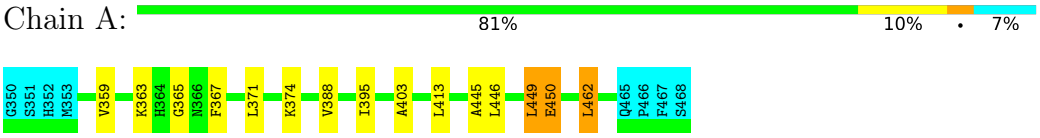
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Sex comb on midleg-like protein 2

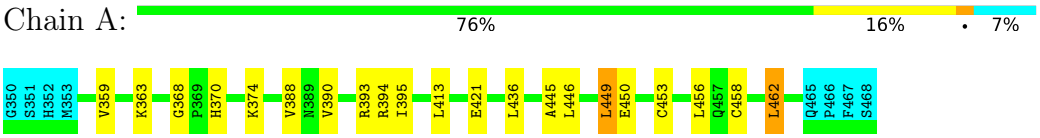
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Sex comb on midleg-like protein 2

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 100 calculated structures, 20 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
CYANA	structure solution	
CNS	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1342
Number of shifts mapped to atoms	1342
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	87%

6 Model quality

6.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	1.22±0.02	0±0/880 (0.0± 0.0%)	0.98±0.02	0±0/1198 (0.0± 0.0%)
All	All	1.22	2/17600 (0.0%)	0.98	0/23960 (0.0%)

All unique bond outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	437	PRO	CA-C	6.50	1.56	1.52	8	2

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	858	846	841	6±2
All	All	17160	16920	16820	113

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 3.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:388:VAL:HG23	1:A:445:ALA:HB2	0.73	1.60	10	20

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:453:CYS:HB2	1:A:458:CYS:SG	0.54	2.43	10	6
1:A:379:LEU:HD23	1:A:402:CYS:SG	0.53	2.43	14	2
1:A:399:CYS:HA	1:A:402:CYS:SG	0.53	2.44	17	1
1:A:370:HIS:CE1	1:A:456:LEU:HB3	0.52	2.40	14	2
1:A:449:LEU:HD21	1:A:462:LEU:HD21	0.51	1.82	20	6
1:A:359:VAL:HG21	1:A:395:ILE:HD11	0.51	1.82	4	13
1:A:368:GLY:HA2	1:A:458:CYS:HB3	0.49	1.82	7	2
1:A:421:GLU:HB2	1:A:436:LEU:HB2	0.48	1.85	9	8
1:A:396:VAL:O	1:A:400:VAL:HG23	0.47	2.09	4	3
1:A:373:PRO:O	1:A:377:GLN:HG2	0.47	2.10	14	5
1:A:416:ASP:HB3	1:A:418:ARG:HD3	0.46	1.87	6	2
1:A:450:GLU:HA	1:A:453:CYS:SG	0.46	2.50	10	1
1:A:371:LEU:HD11	1:A:399:CYS:SG	0.45	2.52	18	1
1:A:354:MET:N	1:A:354:MET:SD	0.45	2.89	4	5
1:A:395:ILE:HG13	1:A:449:LEU:HD22	0.44	1.88	8	1
1:A:423:ILE:HG12	1:A:436:LEU:HD11	0.44	1.89	14	3
1:A:446:LEU:O	1:A:450:GLU:HB2	0.44	2.12	8	2
1:A:403:ALA:HB1	1:A:409:VAL:HG21	0.44	1.90	3	5
1:A:359:VAL:HA	1:A:464:SER:HA	0.44	1.90	13	1
1:A:413:LEU:HD12	1:A:434:ILE:HD11	0.43	1.89	2	3
1:A:370:HIS:NE2	1:A:456:LEU:HB3	0.43	2.28	20	1
1:A:368:GLY:HA3	1:A:371:LEU:H	0.42	1.74	14	1
1:A:366:ASN:HB3	1:A:459:ASP:O	0.42	2.15	10	1
1:A:374:LYS:O	1:A:378:GLN:HG2	0.42	2.15	3	2
1:A:456:LEU:HB2	1:A:458:CYS:SG	0.41	2.54	10	2
1:A:354:MET:SD	1:A:354:MET:N	0.41	2.90	16	1
1:A:400:VAL:HG22	1:A:452:PHE:CZ	0.41	2.50	6	1
1:A:390:VAL:O	1:A:394:ARG:HG2	0.41	2.15	2	4
1:A:453:CYS:HB3	1:A:458:CYS:SG	0.41	2.56	20	1
1:A:421:GLU:HB2	1:A:436:LEU:HD12	0.41	1.91	1	1
1:A:390:VAL:O	1:A:393:ARG:HG2	0.41	2.16	20	2
1:A:366:ASN:ND2	1:A:458:CYS:HA	0.41	2.30	13	1
1:A:371:LEU:HA	1:A:403:ALA:HA	0.41	1.92	19	1
1:A:392:LEU:HD12	1:A:393:ARG:N	0.40	2.32	18	1
1:A:400:VAL:HG12	1:A:406:THR:HG23	0.40	1.93	18	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	111/119 (93%)	103±2 (93±1%)	7±2 (6±1%)	1±1 (1±0%)	20 70
All	All	2220/2380 (93%)	2064 (93%)	140 (6%)	16 (1%)	20 70

All 2 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	368	GLY	12
1	A	365	GLY	4

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	98/105 (93%)	91±1 (93±1%)	7±1 (7±1%)	16 64
All	All	1960/2100 (93%)	1823 (93%)	137 (7%)	16 64

All 17 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	462	LEU	20
1	A	363	LYS	19
1	A	374	LYS	19
1	A	449	LEU	19
1	A	413	LEU	14
1	A	354	MET	9
1	A	450	GLU	8
1	A	367	PHE	6

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Models (Total)
1	A	446	LEU	6
1	A	421	GLU	4
1	A	407	LYS	3
1	A	379	LEU	3
1	A	418	ARG	3
1	A	440	ASN	1
1	A	414	LYS	1
1	A	451	ASN	1
1	A	448	PHE	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 87% for the well-defined parts and 85% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1342
Number of shifts mapped to atoms	1342
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	3

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	115	-0.04 ± 0.21	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	108	0.14 ± 0.17	None needed (< 0.5 ppm)
$^{13}C'$	104	0.16 ± 0.13	None needed (< 0.5 ppm)
^{15}N	104	0.84 ± 0.29	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 87%, i.e. 1287 atoms were assigned a chemical shift out of a possible 1486. 0 out of 22 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	529/547 (97%)	218/222 (98%)	211/222 (95%)	100/103 (97%)
Sidechain	726/811 (90%)	494/529 (93%)	222/251 (88%)	10/31 (32%)

Continued on next page...

Continued from previous page...

	Total	^{1}H	^{13}C	^{15}N
Aromatic	32/128 (25%)	16/63 (25%)	16/55 (29%)	0/10 (0%)
Overall	1287/1486 (87%)	728/814 (89%)	449/528 (85%)	110/144 (76%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 85%, i.e. 1342 atoms were assigned a chemical shift out of a possible 1584. 0 out of 22 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	550/586 (94%)	227/238 (95%)	219/238 (92%)	104/110 (95%)
Sidechain	756/852 (89%)	514/556 (92%)	231/264 (88%)	11/32 (34%)
Aromatic	36/146 (25%)	18/72 (25%)	18/62 (29%)	0/12 (0%)
Overall	1342/1584 (85%)	759/866 (88%)	468/564 (83%)	115/154 (75%)

7.1.4 Statistically unusual chemical shifts (i)

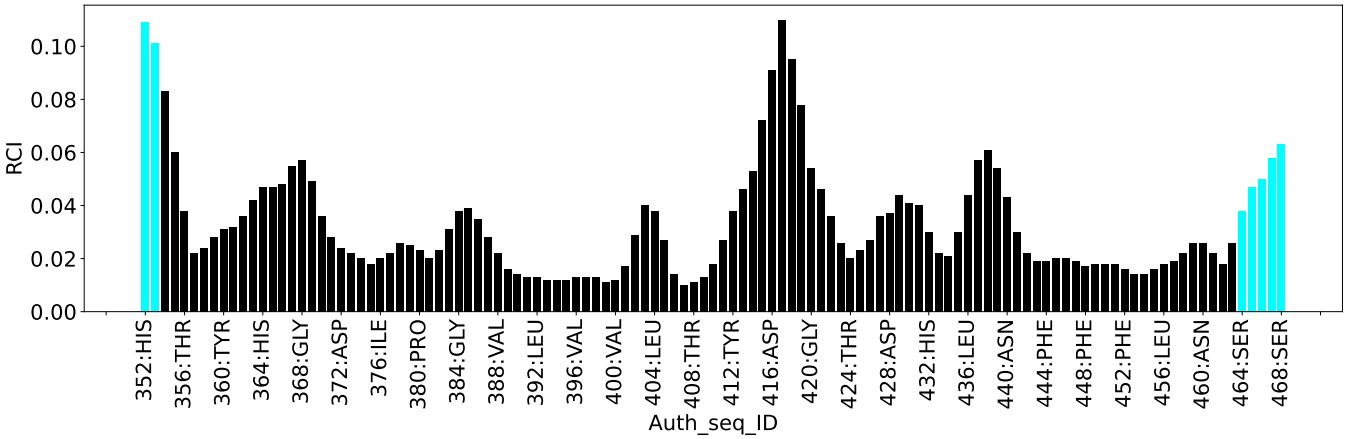
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	414	LYS	HE2	1.58	1.95 – 3.88	-6.9
1	A	362	ASN	HB3	0.73	1.12 – 4.38	-6.2
1	A	414	LYS	HD2	2.88	0.58 – 2.64	6.2

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:


RCI
0.00
0.02
0.04
0.06
0.08
0.10
352:HIS
356:THR
360:TYR
364:HIS
368:GLY
372:ASP
376:ILE
380:PRO
384:GLY
388:VAL
392:LEU
396:VAL
400:VAL
404:LEU
408:THR
412:TYR
416:ASP
420:GLY
424:THR
428:ASP
432:HIS
436:LEU
440:ASN
444:PHE
448:PHE
452:PHE
456:LEU
460:ASN
464:SER
468:SER
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	3172
Intra-residue (|i-j|=0)	496
Sequential (|i-j|=1)	908
Medium range (|i-j|>1 and |i-j|<5)	666
Long range (|i-j|≥5)	1102
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	174
Number of unmapped restraints	0
Number of restraints per residue	28.1
Number of long range restraints per residue[1]	9.3

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	138.2	0.2
0.2-0.5 (Medium)	218.4	0.5
>0.5 (Large)	101.6	3.42

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	11.3	8.02
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis (i)

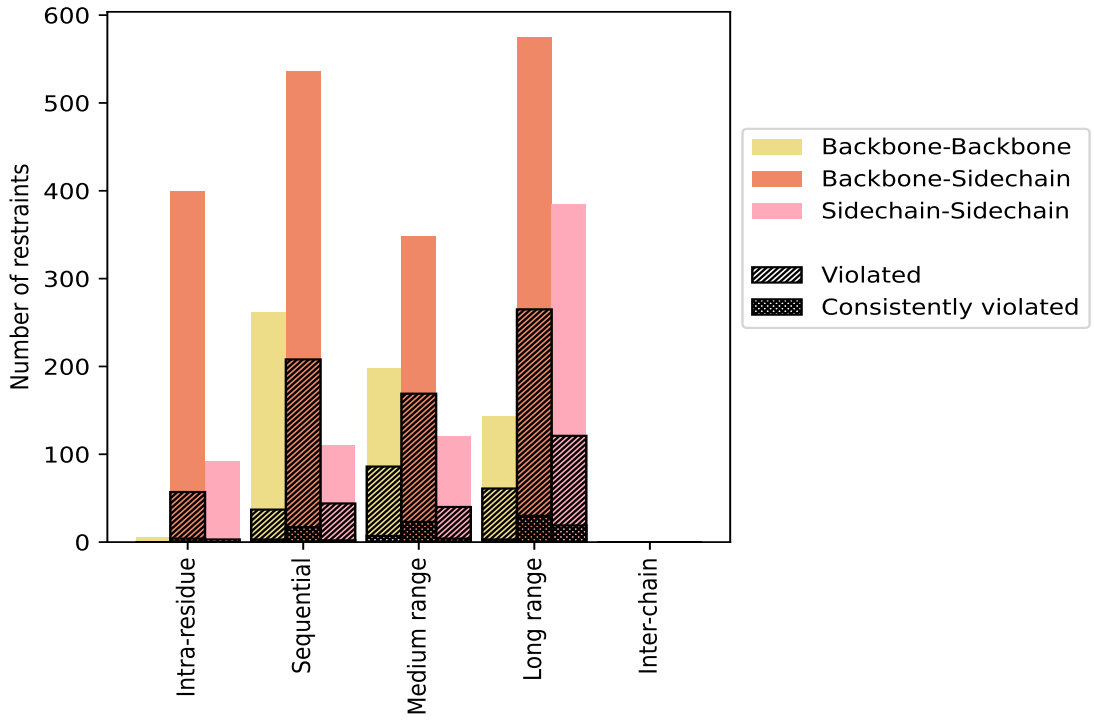
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	496	15.6	60	12.1	1.9	4	0.8	0.1
Backbone-Backbone	5	0.2	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	399	12.6	57	14.3	1.8	4	1.0	0.1
Sidechain-Sidechain	92	2.9	3	3.3	0.1	0	0.0	0.0
Sequential (|i-j|=1)	908	28.6	289	31.8	9.1	22	2.4	0.7
Backbone-Backbone	262	8.3	37	14.1	1.2	3	1.1	0.1
Backbone-Sidechain	536	16.9	208	38.8	6.6	17	3.2	0.5
Sidechain-Sidechain	110	3.5	44	40.0	1.4	2	1.8	0.1
Medium range (|i-j|>1 & |i-j|<5)	666	21.0	295	44.3	9.3	34	5.1	1.1
Backbone-Backbone	198	6.2	86	43.4	2.7	7	3.5	0.2
Backbone-Sidechain	348	11.0	169	48.6	5.3	23	6.6	0.7
Sidechain-Sidechain	120	3.8	40	33.3	1.3	4	3.3	0.1
Long range (|i-j|≥5)	1102	34.7	447	40.6	14.1	52	4.7	1.6
Backbone-Backbone	143	4.5	61	42.7	1.9	3	2.1	0.1
Backbone-Sidechain	575	18.1	265	46.1	8.4	30	5.2	0.9
Sidechain-Sidechain	384	12.1	121	31.5	3.8	19	4.9	0.6
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	3172	100.0	1091	34.4	34.4	112	3.5	3.5
Backbone-Backbone	608	19.2	184	30.3	5.8	13	2.1	0.4
Backbone-Sidechain	1858	58.6	699	37.6	22.0	74	4.0	2.3
Sidechain-Sidechain	706	22.3	208	29.5	6.6	25	3.5	0.8

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	26	124	132	179	0	461	0.37	3.2	0.35	0.29
2	22	125	128	175	0	450	0.4	3.16	0.41	0.27
3	24	117	134	188	0	463	0.39	2.95	0.37	0.29
4	30	120	138	166	0	454	0.43	3.2	0.46	0.3
5	23	119	134	180	0	456	0.39	3.35	0.4	0.29
6	22	120	125	178	0	445	0.4	2.93	0.4	0.28
7	25	112	129	174	0	440	0.42	3.39	0.45	0.28
8	23	122	147	192	0	484	0.38	3.34	0.38	0.28
9	23	110	143	175	0	451	0.39	3.4	0.4	0.3
10	19	122	136	191	0	468	0.39	3.0	0.4	0.28

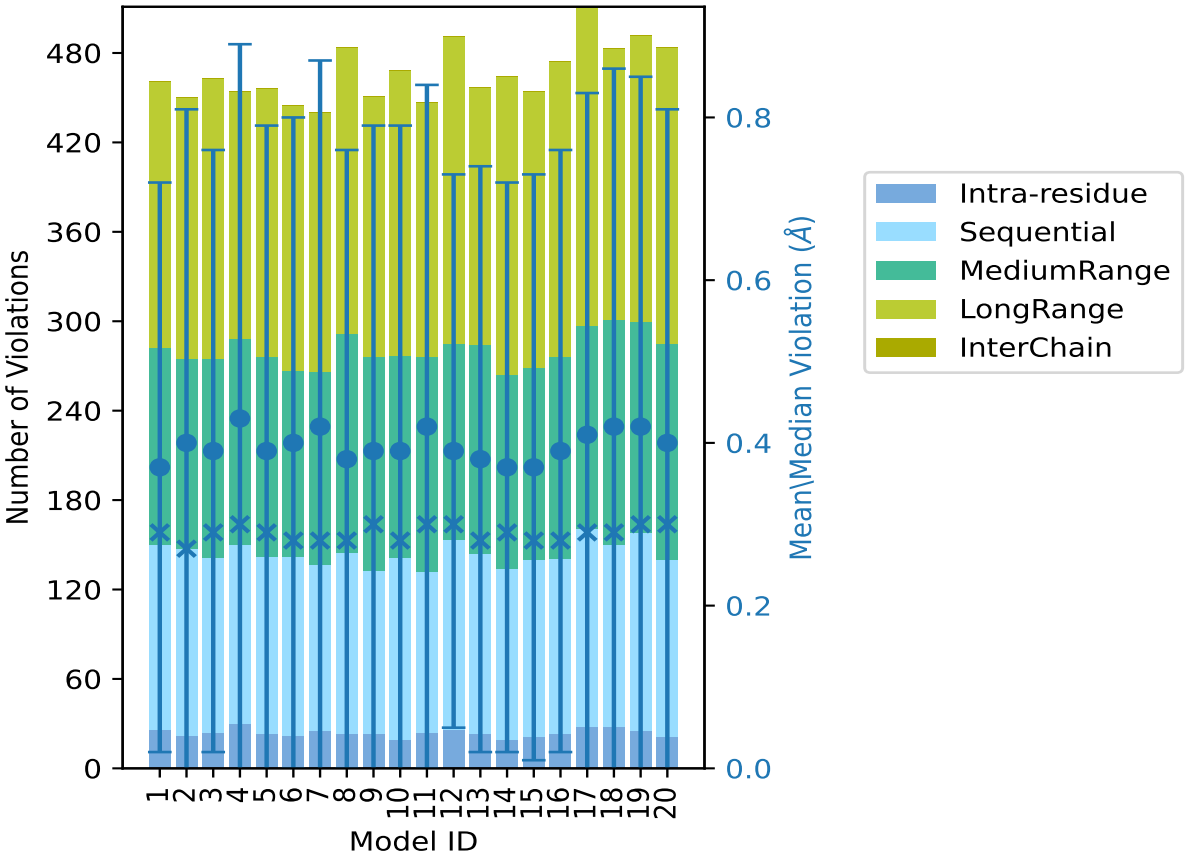
Continued on next page...

Continued from previous page...

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	24	108	144	171	0	447	0.42	3.16	0.42	0.3
12	26	127	132	206	0	491	0.39	3.25	0.34	0.3
13	23	121	140	173	0	457	0.38	3.05	0.36	0.28
14	19	115	130	200	0	464	0.37	3.19	0.35	0.29
15	21	119	129	185	0	454	0.37	3.26	0.36	0.28
16	23	118	135	198	0	474	0.39	3.42	0.37	0.28
17	28	133	136	214	0	511	0.41	3.22	0.42	0.29
18	28	122	151	182	0	483	0.42	3.26	0.44	0.29
19	25	133	142	192	0	492	0.42	3.4	0.43	0.3
20	21	119	145	199	0	484	0.4	3.38	0.41	0.3

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

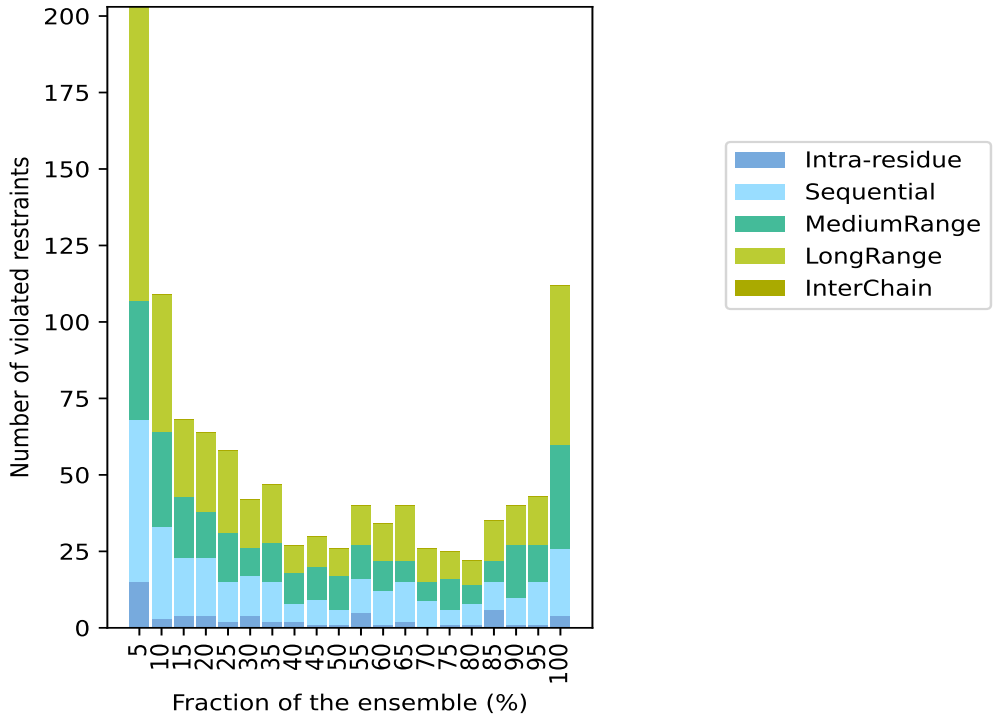
9.3 Distance violation statistics for the ensemble (i)

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, 2081(IR:436, SQ:619, MR:371, LR:655, 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]	%
15	53	39	96	0	203	1	5.0
3	30	31	45	0	109	2	10.0
4	19	20	25	0	68	3	15.0
4	19	15	26	0	64	4	20.0
2	13	16	27	0	58	5	25.0
4	13	9	16	0	42	6	30.0
2	13	13	19	0	47	7	35.0
2	6	10	9	0	27	8	40.0
1	8	11	10	0	30	9	45.0
1	5	11	9	0	26	10	50.0
5	11	11	13	0	40	11	55.0
1	11	10	12	0	34	12	60.0
2	13	7	18	0	40	13	65.0
0	9	6	11	0	26	14	70.0
1	5	10	9	0	25	15	75.0
1	7	6	8	0	22	16	80.0
6	9	7	13	0	35	17	85.0
1	9	17	13	0	40	18	90.0
1	14	12	16	0	43	19	95.0
4	22	34	52	0	112	20	100.0

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

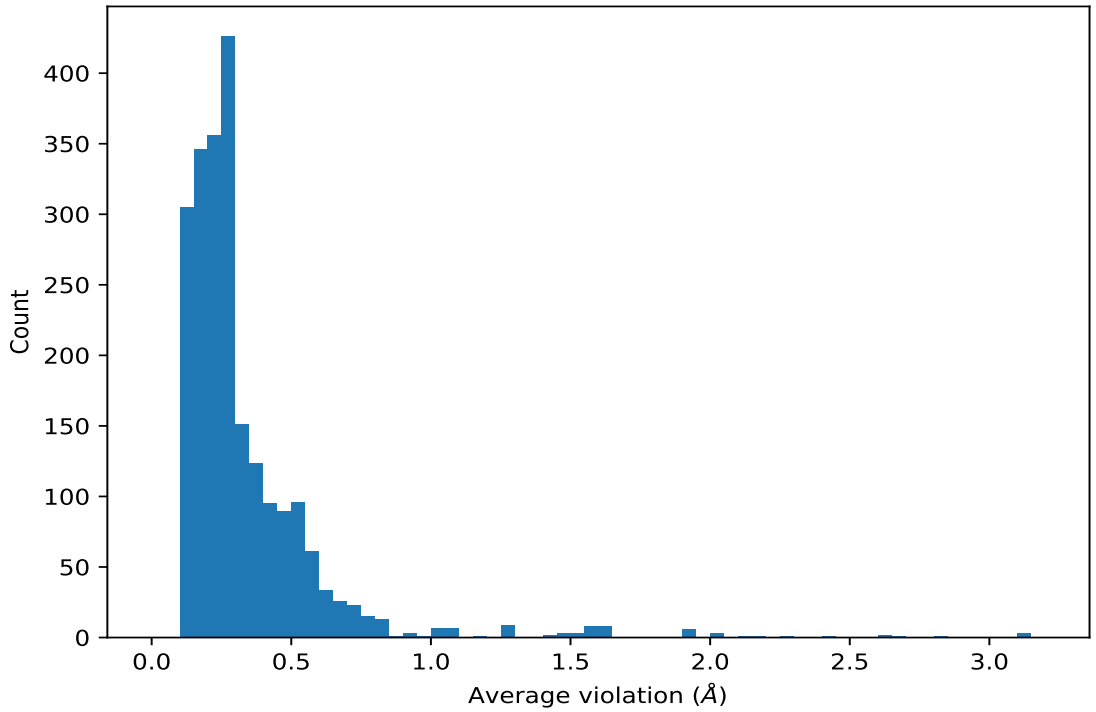
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	20	3.12	0.23	3.18
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	20	3.12	0.23	3.18
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	20	3.12	0.23	3.18
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	20	2.6	0.11	2.61
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	20	2.44	0.3	2.5
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	20	2.16	0.96	2.84
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	20	1.61	0.05	1.6
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	20	1.6	0.12	1.6
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	20	1.6	0.12	1.6
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	20	1.6	0.12	1.6
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	20	1.6	0.12	1.6
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	20	1.6	0.12	1.6
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	20	1.6	0.12	1.6
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	20	1.59	0.53	1.22
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	20	1.59	0.53	1.22
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	20	1.59	0.53	1.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	20	1.59	0.53	1.22
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	20	1.59	0.53	1.22
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	20	1.59	0.53	1.22
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	20	1.58	0.25	1.6
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	20	1.58	0.25	1.6
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	20	1.49	0.14	1.53
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	20	1.49	0.14	1.53
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	20	1.49	0.14	1.53
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	20	1.09	0.06	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	20	1.09	0.06	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	20	1.09	0.06	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	20	1.09	0.06	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	20	1.09	0.06	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	20	1.09	0.06	1.1
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	20	1.07	0.05	1.08
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	20	1.04	0.23	1.06
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	20	1.04	0.23	1.06
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	20	1.02	0.18	1.08
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	20	1.02	0.18	1.08
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	20	0.79	0.29	0.84
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	20	0.79	0.29	0.84
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	20	0.79	0.06	0.8
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	20	0.79	0.06	0.8
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	20	0.79	0.06	0.8
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	20	0.78	0.06	0.78
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	20	0.78	0.06	0.78
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	20	0.78	0.06	0.78
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	20	0.78	0.06	0.78
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	20	0.78	0.06	0.78
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	20	0.78	0.06	0.78
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	20	0.74	0.14	0.72
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	20	0.74	0.14	0.72
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	20	0.74	0.14	0.72
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	20	0.72	0.05	0.72
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	20	0.71	0.06	0.7
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	20	0.71	0.06	0.7
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	20	0.71	0.06	0.7
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	20	0.67	0.53	0.3
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	20	0.67	0.53	0.3
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	20	0.67	0.53	0.3
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	20	0.67	0.53	0.3
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	20	0.67	0.53	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	20	0.67	0.53	0.3
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	20	0.66	0.05	0.66
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	20	0.66	0.05	0.66
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	20	0.66	0.05	0.66
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	20	0.66	0.12	0.7
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	20	0.66	0.12	0.7
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	20	0.66	0.12	0.7
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	20	0.66	0.14	0.68
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	20	0.66	0.14	0.68
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	20	0.66	0.14	0.68
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	20	0.66	0.14	0.68
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	20	0.66	0.14	0.68
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	20	0.66	0.14	0.68
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	20	0.64	0.14	0.64
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	20	0.64	0.14	0.64
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	20	0.64	0.14	0.64
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	20	0.63	0.14	0.64
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	20	0.63	0.14	0.64
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	20	0.63	0.14	0.64
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	20	0.63	0.14	0.64
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	20	0.63	0.14	0.64
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	20	0.63	0.14	0.64
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	20	0.62	0.09	0.62
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	20	0.62	0.09	0.62
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	20	0.62	0.09	0.62
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	20	0.62	0.09	0.62
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	20	0.62	0.09	0.62
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	20	0.62	0.09	0.62
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	20	0.62	0.09	0.62
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	20	0.62	0.09	0.62
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	20	0.62	0.09	0.62
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	20	0.6	0.14	0.58
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	20	0.6	0.17	0.6
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	20	0.6	0.17	0.6
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	20	0.6	0.17	0.6
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	20	0.59	0.05	0.6
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	20	0.58	0.09	0.58
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	20	0.57	0.07	0.6
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	20	0.57	0.04	0.57
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	20	0.56	0.13	0.55
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	20	0.56	0.07	0.57
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	20	0.55	0.22	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	20	0.55	0.22	0.56
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	20	0.55	0.22	0.56
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	20	0.55	0.22	0.56
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	20	0.55	0.22	0.56
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	20	0.55	0.22	0.56
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	20	0.55	0.07	0.56
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	20	0.55	0.07	0.56
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	20	0.55	0.07	0.56
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	20	0.54	0.19	0.62
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	20	0.54	0.11	0.56
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	20	0.54	0.09	0.56
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	20	0.54	0.09	0.56
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	20	0.54	0.09	0.56
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	20	0.53	0.03	0.53
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	20	0.53	0.05	0.55
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	20	0.53	0.08	0.54
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	20	0.52	0.08	0.54
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	20	0.52	0.1	0.52
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	20	0.52	0.1	0.52
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	20	0.52	0.1	0.52
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	20	0.51	0.09	0.53
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	20	0.51	0.09	0.53
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	20	0.51	0.09	0.53
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	20	0.5	0.07	0.52
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	20	0.5	0.11	0.54
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	20	0.5	0.11	0.54
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	20	0.5	0.11	0.54
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	20	0.5	0.06	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	20	0.5	0.06	0.5
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	20	0.5	0.06	0.5
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	20	0.5	0.1	0.48
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	20	0.5	0.1	0.48
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	20	0.5	0.1	0.48
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	20	0.5	0.12	0.53
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	20	0.5	0.12	0.53
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	20	0.5	0.12	0.53
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	20	0.5	0.12	0.53
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	20	0.5	0.12	0.53
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	20	0.5	0.12	0.53
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	20	0.49	0.19	0.46
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	20	0.49	0.19	0.46
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	20	0.49	0.19	0.46
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	20	0.49	0.19	0.46
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	20	0.49	0.19	0.46
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	20	0.49	0.19	0.46
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	20	0.48	0.06	0.48
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	20	0.48	0.06	0.48
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	20	0.48	0.06	0.48
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	20	0.47	0.07	0.48
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	20	0.47	0.07	0.48
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	20	0.46	0.11	0.5
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	20	0.46	0.09	0.48
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	20	0.46	0.09	0.46
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	20	0.46	0.11	0.47
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	20	0.46	0.11	0.47
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	20	0.44	0.06	0.44
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	20	0.44	0.06	0.44
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	20	0.44	0.06	0.44
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	20	0.42	0.11	0.41
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	20	0.42	0.11	0.41
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	20	0.42	0.11	0.41
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	20	0.42	0.08	0.42
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	20	0.42	0.08	0.42
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	20	0.42	0.08	0.42
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	20	0.42	0.08	0.42
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	20	0.42	0.08	0.42
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	20	0.42	0.08	0.42
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	20	0.42	0.06	0.4
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	20	0.42	0.09	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	20	0.42	0.09	0.42
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	20	0.42	0.09	0.42
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	20	0.42	0.11	0.44
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	20	0.41	0.08	0.42
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	20	0.41	0.09	0.44
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	20	0.41	0.08	0.39
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	20	0.41	0.12	0.4
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	20	0.4	0.15	0.42
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	20	0.4	0.05	0.4
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	20	0.4	0.12	0.42
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	20	0.4	0.11	0.41
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	20	0.39	0.1	0.41
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	20	0.39	0.1	0.41
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	20	0.39	0.1	0.41
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	20	0.38	0.13	0.35
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	20	0.38	0.13	0.35
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	20	0.38	0.07	0.37
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	20	0.37	0.08	0.4
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	20	0.37	0.08	0.4
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	20	0.37	0.08	0.4
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	20	0.37	0.06	0.37
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	20	0.37	0.06	0.37
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	20	0.37	0.06	0.37
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	20	0.35	0.1	0.35
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	20	0.35	0.1	0.35
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	20	0.35	0.1	0.35
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	20	0.35	0.12	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	20	0.35	0.03	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	20	0.35	0.03	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	20	0.35	0.03	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	20	0.35	0.03	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	20	0.35	0.03	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	20	0.35	0.03	0.34
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	20	0.34	0.06	0.36
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	20	0.34	0.06	0.36
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	20	0.34	0.06	0.36
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	20	0.34	0.13	0.33
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	20	0.34	0.13	0.33
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	20	0.33	0.08	0.32
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	20	0.33	0.08	0.34
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	20	0.33	0.08	0.34
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	20	0.33	0.08	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	20	0.32	0.06	0.32
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	20	0.32	0.04	0.32
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	20	0.32	0.04	0.32
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	20	0.32	0.04	0.32
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	20	0.32	0.08	0.32
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	20	0.31	0.07	0.29
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	20	0.31	0.06	0.32
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	20	0.31	0.06	0.32
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	20	0.31	0.06	0.32
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	20	0.31	0.06	0.32
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	20	0.31	0.06	0.32
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	20	0.31	0.06	0.32
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	20	0.3	0.08	0.3
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	20	0.3	0.08	0.3
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	20	0.3	0.07	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	20	0.3	0.07	0.31
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	20	0.29	0.06	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	20	0.29	0.06	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	20	0.29	0.06	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	20	0.29	0.06	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	20	0.29	0.06	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	20	0.29	0.06	0.28
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	20	0.29	0.07	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	20	0.29	0.07	0.28
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	20	0.29	0.07	0.28
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	20	0.29	0.07	0.29
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	20	0.28	0.03	0.28
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	20	0.28	0.08	0.26
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	20	0.28	0.08	0.26
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	20	0.28	0.08	0.26
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	20	0.28	0.08	0.26
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	20	0.28	0.08	0.26
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	20	0.28	0.08	0.26
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	20	0.27	0.07	0.3
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	20	0.27	0.06	0.3
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	20	0.27	0.05	0.26
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	20	0.27	0.09	0.27
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	20	0.27	0.07	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	20	0.27	0.07	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	20	0.27	0.07	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	20	0.27	0.07	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	20	0.27	0.07	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	20	0.27	0.07	0.28
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	20	0.27	0.05	0.28
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	20	0.27	0.05	0.28
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	20	0.25	0.07	0.23
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	20	0.25	0.07	0.23
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	20	0.25	0.06	0.24
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	20	0.24	0.05	0.23
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	20	0.24	0.05	0.23
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	20	0.24	0.05	0.23
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	20	0.24	0.05	0.23
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	20	0.24	0.05	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	20	0.24	0.05	0.23
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	20	0.23	0.03	0.22
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	20	0.23	0.05	0.24
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	20	0.21	0.04	0.22
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	20	0.2	0.04	0.19
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	20	0.2	0.04	0.19
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	20	0.2	0.04	0.19
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	20	0.19	0.05	0.18
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	20	0.18	0.05	0.16
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	20	0.18	0.05	0.16
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	20	0.18	0.05	0.16
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	20	0.18	0.05	0.16
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	20	0.18	0.05	0.16
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	20	0.18	0.05	0.16
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	20	0.17	0.05	0.16
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	20	0.17	0.05	0.16
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	20	0.17	0.05	0.16
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	19	1.64	0.92	1.57
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	19	0.74	0.08	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	19	0.74	0.08	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	19	0.74	0.08	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	19	0.74	0.08	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	19	0.74	0.08	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	19	0.74	0.08	0.76
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	19	0.72	0.16	0.77
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	19	0.72	0.16	0.77
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	19	0.72	0.16	0.77
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	19	0.58	0.09	0.6
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	19	0.5	0.12	0.52
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	19	0.5	0.12	0.52
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	19	0.5	0.12	0.52
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	19	0.5	0.12	0.52
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	19	0.49	0.15	0.55
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	19	0.47	0.16	0.46
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	19	0.47	0.16	0.46
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	19	0.47	0.16	0.46
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	19	0.47	0.16	0.46
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	19	0.47	0.16	0.46
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	19	0.47	0.16	0.46
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	19	0.46	0.1	0.5
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	19	0.46	0.06	0.47
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	19	0.46	0.06	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	19	0.46	0.06	0.47
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	19	0.45	0.13	0.49
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	19	0.45	0.13	0.49
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	19	0.45	0.13	0.49
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	19	0.45	0.13	0.49
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	19	0.45	0.13	0.49
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	19	0.45	0.13	0.49
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	19	0.45	0.13	0.49
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	19	0.45	0.13	0.49
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	19	0.45	0.13	0.49
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	19	0.44	0.12	0.49
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	19	0.44	0.12	0.49
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	19	0.44	0.12	0.49
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	19	0.44	0.12	0.49
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	19	0.44	0.12	0.49
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	19	0.44	0.12	0.49
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	19	0.44	0.12	0.49
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	19	0.44	0.12	0.49
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	19	0.44	0.12	0.49
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	19	0.44	0.18	0.4
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	19	0.43	0.16	0.53
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	19	0.42	0.1	0.45
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	19	0.42	0.1	0.45
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	19	0.42	0.1	0.45
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	19	0.41	0.04	0.41
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	19	0.4	0.16	0.35
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	19	0.39	0.11	0.42
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	19	0.38	0.15	0.41
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	19	0.38	0.17	0.34
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	19	0.37	0.13	0.35
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	19	0.36	0.09	0.37
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	19	0.31	0.13	0.29
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	19	0.31	0.13	0.29
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	19	0.3	0.13	0.28
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	19	0.3	0.07	0.31
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	19	0.3	0.07	0.31
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	19	0.3	0.07	0.31
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	19	0.3	0.09	0.29
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	19	0.29	0.05	0.27
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	19	0.28	0.07	0.26
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	19	0.28	0.07	0.28
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	19	0.28	0.07	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	19	0.28	0.07	0.28
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	19	0.28	0.07	0.28
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	19	0.28	0.07	0.28
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	19	0.28	0.07	0.28
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	19	0.28	0.04	0.28
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	19	0.27	0.07	0.27
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	19	0.27	0.07	0.27
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	19	0.27	0.07	0.27
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	19	0.27	0.08	0.27
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	19	0.27	0.08	0.27
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	19	0.27	0.08	0.27
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	19	0.27	0.08	0.27
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	19	0.26	0.06	0.25
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	19	0.26	0.06	0.25
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	19	0.26	0.06	0.25
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	19	0.25	0.05	0.25
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	19	0.25	0.05	0.25
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	19	0.25	0.05	0.25
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	19	0.25	0.05	0.25
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	19	0.25	0.05	0.25
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	19	0.25	0.05	0.25
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	19	0.24	0.09	0.23
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	19	0.24	0.06	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	19	0.24	0.06	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	19	0.24	0.06	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	19	0.24	0.06	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	19	0.24	0.06	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	19	0.24	0.06	0.24
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	19	0.23	0.07	0.23
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	19	0.22	0.05	0.21
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	19	0.22	0.05	0.21
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	19	0.22	0.05	0.21
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	19	0.22	0.05	0.21
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	19	0.22	0.05	0.21
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	19	0.22	0.05	0.21
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	19	0.21	0.07	0.21
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	19	0.19	0.04	0.19
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	19	0.19	0.04	0.19
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	19	0.19	0.04	0.19
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	19	0.19	0.04	0.19
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	19	0.19	0.04	0.19
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	19	0.19	0.04	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	19	0.18	0.05	0.18
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	19	0.17	0.04	0.17
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	19	0.16	0.04	0.15
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	19	0.16	0.04	0.15
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	18	2.11	0.64	2.38
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	18	1.04	0.25	1.15
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	18	1.04	0.25	1.15
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	18	1.04	0.25	1.15
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	18	0.63	0.18	0.7
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	18	0.63	0.18	0.7
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	18	0.55	0.1	0.57
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	18	0.5	0.07	0.52
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	18	0.5	0.07	0.52
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	18	0.5	0.07	0.52
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	18	0.5	0.07	0.52
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	18	0.5	0.07	0.52
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	18	0.5	0.07	0.52
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	18	0.49	0.13	0.47
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	18	0.46	0.18	0.42
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	18	0.4	0.18	0.38
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	18	0.4	0.14	0.47
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	18	0.39	0.11	0.4
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	18	0.39	0.14	0.43
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	18	0.39	0.09	0.38
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	18	0.39	0.09	0.38
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	18	0.39	0.13	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	18	0.39	0.13	0.4
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	18	0.39	0.13	0.4
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	18	0.39	0.13	0.4
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	18	0.39	0.13	0.4
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	18	0.39	0.13	0.4
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	18	0.35	0.05	0.35
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	18	0.35	0.12	0.29
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	18	0.33	0.12	0.31
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	18	0.33	0.12	0.31
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	18	0.33	0.12	0.31
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	18	0.31	0.11	0.33
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	18	0.31	0.15	0.24
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	18	0.31	0.15	0.24
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	18	0.31	0.15	0.24
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	18	0.3	0.06	0.28
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	18	0.29	0.1	0.26
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	18	0.29	0.09	0.26
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	18	0.29	0.09	0.26
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	18	0.29	0.09	0.26
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	18	0.28	0.06	0.3
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	18	0.28	0.15	0.24
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	18	0.27	0.05	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	18	0.27	0.05	0.25
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	18	0.26	0.09	0.27
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	18	0.26	0.09	0.27
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	18	0.26	0.09	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	18	0.26	0.09	0.23
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	18	0.26	0.09	0.23
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	18	0.26	0.1	0.24
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	18	0.26	0.1	0.24
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	18	0.26	0.1	0.24
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	18	0.23	0.06	0.25
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	18	0.23	0.05	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	18	0.23	0.05	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	18	0.23	0.05	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	18	0.23	0.05	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	18	0.23	0.05	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	18	0.23	0.05	0.22
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	18	0.22	0.09	0.19
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	18	0.22	0.05	0.22
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	18	0.21	0.05	0.22
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	18	0.21	0.04	0.22
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	18	0.2	0.04	0.2
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	18	0.2	0.04	0.2
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	18	0.18	0.05	0.18
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	18	0.18	0.04	0.18
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	18	0.17	0.03	0.16
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	18	0.17	0.03	0.16
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	18	0.17	0.02	0.17
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	18	0.14	0.01	0.14
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	17	0.79	0.06	0.78
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	17	0.73	0.18	0.71
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	17	0.6	0.13	0.59
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	17	0.55	0.21	0.66
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	17	0.55	0.22	0.59
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	17	0.55	0.22	0.59
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	17	0.48	0.22	0.44
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	17	0.47	0.16	0.51
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	17	0.47	0.27	0.42
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	17	0.47	0.27	0.42
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	17	0.46	0.06	0.45
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	17	0.46	0.07	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	17	0.46	0.07	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	17	0.46	0.07	0.49
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	17	0.46	0.2	0.46
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	17	0.45	0.03	0.44
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	17	0.37	0.11	0.36
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	17	0.37	0.15	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	17	0.37	0.15	0.34
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	17	0.36	0.1	0.35
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	17	0.36	0.16	0.34
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	17	0.33	0.12	0.31
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	17	0.3	0.06	0.29
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	17	0.29	0.1	0.28
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	17	0.29	0.1	0.28
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	17	0.29	0.1	0.28
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	17	0.29	0.1	0.28
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	17	0.29	0.1	0.28
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	17	0.29	0.1	0.28
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	17	0.29	0.11	0.28
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	17	0.29	0.06	0.28
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	17	0.27	0.07	0.24
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	17	0.26	0.2	0.16
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	17	0.26	0.2	0.16
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	17	0.26	0.1	0.26
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	17	0.26	0.1	0.26
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	17	0.26	0.1	0.26
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	17	0.24	0.06	0.24
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	17	0.24	0.06	0.24
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	17	0.24	0.06	0.24
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	17	0.24	0.08	0.26
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	17	0.24	0.08	0.26
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	17	0.24	0.08	0.26
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	17	0.24	0.08	0.26
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	17	0.24	0.08	0.26
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	17	0.24	0.08	0.26
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	17	0.23	0.12	0.2
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	17	0.22	0.07	0.22
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	17	0.22	0.05	0.22
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	17	0.22	0.09	0.18
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	17	0.22	0.09	0.18
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	17	0.22	0.09	0.18
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	17	0.2	0.07	0.2
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	17	0.19	0.03	0.19
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	17	0.19	0.03	0.19
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	17	0.19	0.03	0.19
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	17	0.17	0.07	0.16
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	17	0.17	0.05	0.15
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	17	0.17	0.05	0.15
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	17	0.17	0.05	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	17	0.17	0.05	0.16
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	17	0.17	0.05	0.16
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	16	0.59	0.11	0.61
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	16	0.59	0.11	0.61
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	16	0.59	0.11	0.61
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	16	0.59	0.11	0.61
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	16	0.52	0.22	0.46
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	16	0.52	0.22	0.46
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	16	0.47	0.14	0.52
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	16	0.43	0.11	0.42
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	16	0.43	0.11	0.42
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	16	0.43	0.11	0.42
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	16	0.36	0.07	0.38
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	16	0.36	0.07	0.38
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	16	0.36	0.07	0.38
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	16	0.36	0.07	0.38
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	16	0.36	0.07	0.38
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	16	0.36	0.07	0.38
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	16	0.29	0.14	0.3
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	16	0.29	0.14	0.3
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	16	0.29	0.14	0.3
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	16	0.29	0.13	0.24
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	16	0.29	0.13	0.24
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	16	0.29	0.13	0.24
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	16	0.29	0.1	0.3
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	16	0.29	0.1	0.3
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	16	0.29	0.1	0.3
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	16	0.27	0.04	0.26
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	16	0.26	0.1	0.26
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	16	0.26	0.06	0.26
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	16	0.24	0.08	0.24
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	16	0.24	0.06	0.24
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	16	0.21	0.07	0.22
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	16	0.21	0.08	0.18
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	16	0.21	0.08	0.18
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	16	0.21	0.08	0.18
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	16	0.2	0.08	0.18
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	16	0.2	0.08	0.18
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	16	0.19	0.07	0.17
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	16	0.19	0.06	0.17
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	16	0.18	0.08	0.15
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	16	0.18	0.08	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	16	0.18	0.08	0.15
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	16	0.16	0.04	0.16
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	16	0.15	0.03	0.14
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	15	2.27	0.22	2.27
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	15	0.88	0.13	0.84
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	15	0.52	0.1	0.52
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	15	0.52	0.1	0.52
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	15	0.42	0.23	0.39
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	15	0.42	0.23	0.39
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	15	0.42	0.13	0.39
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	15	0.37	0.15	0.37
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	15	0.37	0.15	0.37
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	15	0.31	0.15	0.36
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	15	0.31	0.15	0.36
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	15	0.31	0.15	0.36
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	15	0.31	0.15	0.36
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	15	0.31	0.15	0.36
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	15	0.31	0.15	0.36
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	15	0.3	0.1	0.31
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	15	0.3	0.1	0.31
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	15	0.3	0.1	0.31
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	15	0.3	0.1	0.31
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	15	0.3	0.1	0.31
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	15	0.3	0.1	0.31
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	15	0.3	0.1	0.31
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	15	0.3	0.1	0.31
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	15	0.3	0.1	0.31
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	15	0.3	0.1	0.31
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	15	0.3	0.1	0.31
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	15	0.3	0.1	0.31
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	15	0.29	0.08	0.32
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	15	0.29	0.08	0.32
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	15	0.29	0.11	0.28
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	15	0.28	0.08	0.29
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	15	0.28	0.13	0.27
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	15	0.28	0.13	0.27
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	15	0.28	0.13	0.27
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	15	0.28	0.13	0.27
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	15	0.28	0.13	0.27
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	15	0.28	0.13	0.27
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	15	0.28	0.08	0.27
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	15	0.28	0.08	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	15	0.26	0.06	0.27
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	15	0.25	0.06	0.26
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	15	0.24	0.09	0.26
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	15	0.24	0.09	0.26
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	15	0.24	0.09	0.26
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	15	0.24	0.09	0.26
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	15	0.24	0.09	0.26
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	15	0.24	0.09	0.26
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	15	0.23	0.08	0.22
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	15	0.23	0.09	0.21
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	15	0.22	0.06	0.21
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	15	0.22	0.05	0.22
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	15	0.21	0.05	0.21
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	15	0.19	0.07	0.16
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	15	0.18	0.05	0.21
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	15	0.15	0.03	0.15
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	15	0.15	0.04	0.15
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	14	2.84	0.55	2.96
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	14	1.29	0.6	1.28
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	14	1.29	0.57	1.31
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	14	1.17	0.27	1.14
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	14	0.77	0.33	0.88
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	14	0.77	0.33	0.88
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	14	0.51	0.08	0.54
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	14	0.51	0.08	0.54
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	14	0.48	0.11	0.52
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	14	0.48	0.11	0.52
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	14	0.44	0.24	0.38
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	14	0.44	0.24	0.38
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	14	0.42	0.14	0.45
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	14	0.42	0.14	0.45
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	14	0.42	0.14	0.45
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	14	0.42	0.14	0.45
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	14	0.42	0.14	0.45
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	14	0.42	0.14	0.45
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	14	0.36	0.16	0.34
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	14	0.36	0.16	0.34
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	14	0.35	0.14	0.32
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	14	0.34	0.13	0.38
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	14	0.29	0.09	0.29
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	14	0.29	0.09	0.29
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	14	0.29	0.09	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	14	0.29	0.09	0.29
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	14	0.29	0.09	0.29
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	14	0.29	0.09	0.29
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	14	0.29	0.1	0.28
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	14	0.27	0.1	0.31
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	14	0.27	0.09	0.3
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	14	0.25	0.06	0.26
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	14	0.25	0.06	0.26
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	14	0.24	0.07	0.25
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	14	0.23	0.07	0.28
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	14	0.23	0.07	0.28
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	14	0.23	0.07	0.28
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	14	0.22	0.1	0.2
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	14	0.22	0.07	0.18
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	14	0.21	0.07	0.22
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	14	0.19	0.06	0.16
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	14	0.18	0.06	0.17
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	14	0.18	0.06	0.17
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	14	0.18	0.06	0.17
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	14	0.16	0.04	0.16
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	14	0.12	0.01	0.12
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	13	1.27	0.63	1.51
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	13	1.27	0.63	1.51
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	13	1.27	0.63	1.51
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	13	1.27	0.63	1.51
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	13	1.27	0.63	1.51
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	13	1.27	0.63	1.51
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	13	0.7	0.37	0.6
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	13	0.66	0.03	0.66
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	13	0.55	0.06	0.54
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	13	0.55	0.06	0.54
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	13	0.55	0.06	0.54
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	13	0.55	0.06	0.54
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	13	0.55	0.06	0.54
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	13	0.55	0.06	0.54
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	13	0.55	0.19	0.61
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	13	0.54	0.13	0.56
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	13	0.54	0.13	0.56
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	13	0.54	0.13	0.56
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	13	0.54	0.13	0.56
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	13	0.54	0.13	0.56
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	13	0.54	0.13	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	13	0.5	0.12	0.56
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	13	0.5	0.19	0.44
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	13	0.5	0.19	0.44
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	13	0.5	0.19	0.44
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	13	0.46	0.21	0.45
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	13	0.46	0.21	0.45
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	13	0.44	0.22	0.41
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	13	0.43	0.18	0.49
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	13	0.35	0.11	0.36
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	13	0.35	0.1	0.34
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	13	0.34	0.02	0.34
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	13	0.33	0.09	0.31
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	13	0.32	0.05	0.32
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	13	0.32	0.05	0.32
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	13	0.32	0.05	0.32
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	13	0.32	0.05	0.32
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	13	0.32	0.05	0.32
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	13	0.32	0.05	0.32
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	13	0.32	0.05	0.32
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	13	0.32	0.05	0.32
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	13	0.32	0.05	0.32
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	13	0.29	0.1	0.31
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	13	0.28	0.04	0.29
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	13	0.28	0.04	0.29
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	13	0.28	0.04	0.29
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	13	0.28	0.13	0.2
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	13	0.27	0.12	0.28
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	13	0.27	0.12	0.28
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	13	0.27	0.12	0.28
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	13	0.25	0.13	0.22
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	13	0.23	0.09	0.22
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	13	0.23	0.09	0.22
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	13	0.23	0.09	0.22
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	13	0.23	0.09	0.2
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	13	0.23	0.09	0.22
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	13	0.23	0.09	0.22
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	13	0.22	0.09	0.18
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	13	0.22	0.09	0.18
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	13	0.22	0.09	0.18
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	13	0.22	0.03	0.21
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	13	0.22	0.09	0.19
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	13	0.2	0.06	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	13	0.2	0.06	0.19
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	13	0.2	0.06	0.19
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	13	0.19	0.05	0.18
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	13	0.19	0.07	0.17
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	13	0.19	0.05	0.18
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	13	0.18	0.05	0.19
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	13	0.18	0.05	0.19
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	13	0.18	0.03	0.19
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	13	0.17	0.04	0.17
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	13	0.17	0.04	0.17
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	13	0.17	0.04	0.17
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	13	0.16	0.04	0.16
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	13	0.16	0.04	0.16
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	13	0.16	0.04	0.16
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	13	0.15	0.04	0.14
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	13	0.15	0.04	0.14
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	13	0.15	0.05	0.13
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	13	0.14	0.02	0.15
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	13	0.14	0.02	0.15
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	13	0.14	0.02	0.15
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	13	0.13	0.02	0.13
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	13	0.12	0.01	0.11
(1,1752)	1:360:A:TYR:HD1	1:466:A:PRO:HB3	12	1.27	0.76	1.48
(1,2044)	1:449:A:LEU:H	1:450:A:GLU:HG3	12	0.57	0.11	0.58
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD2	12	0.56	0.22	0.68
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD3	12	0.56	0.22	0.68
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD2	12	0.56	0.22	0.68
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD3	12	0.56	0.22	0.68
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD21	12	0.55	0.17	0.62
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD22	12	0.55	0.17	0.62
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD23	12	0.55	0.17	0.62
(1,590)	1:375:A:ARG:HD2	1:376:A:ILE:H	12	0.51	0.11	0.54
(1,946)	1:387:A:PRO:HG2	1:391:A:VAL:H	12	0.48	0.13	0.5
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD2	12	0.44	0.13	0.48
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD3	12	0.44	0.13	0.48
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD21	12	0.37	0.12	0.34
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD22	12	0.37	0.12	0.34
(1,1876)	1:447:A:ARG:HG2	1:448:A:PHE:HA	12	0.36	0.12	0.34
(1,1876)	1:447:A:ARG:HG3	1:448:A:PHE:HA	12	0.36	0.12	0.34
(1,479)	1:361:A:VAL:H	1:381:A:ASP:HA	12	0.33	0.16	0.34
(1,2149)	1:439:A:VAL:HG11	1:444:A:PHE:HB2	12	0.31	0.12	0.33
(1,2149)	1:439:A:VAL:HG12	1:444:A:PHE:HB2	12	0.31	0.12	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2149)	1:439:A:VAL:HG13	1:444:A:PHE:HB2	12	0.31	0.12	0.33
(1,1807)	1:400:A:VAL:HG21	1:409:A:VAL:HB	12	0.3	0.11	0.32
(1,1807)	1:400:A:VAL:HG22	1:409:A:VAL:HB	12	0.3	0.11	0.32
(1,1807)	1:400:A:VAL:HG23	1:409:A:VAL:HB	12	0.3	0.11	0.32
(1,2233)	1:415:A:PRO:HG2	1:416:A:ASP:H	12	0.29	0.1	0.34
(1,2943)	1:418:A:ARG:HD2	1:419:A:GLY:H	12	0.29	0.11	0.3
(1,2943)	1:418:A:ARG:HD3	1:419:A:GLY:H	12	0.29	0.11	0.3
(1,1581)	1:380:A:PRO:HG3	1:382:A:HIS:H	12	0.28	0.09	0.3
(1,695)	1:359:A:VAL:H	1:386:A:GLY:H	12	0.28	0.15	0.22
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD2	12	0.28	0.09	0.3
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD3	12	0.28	0.09	0.3
(1,514)	1:451:A:ASN:H	1:453:A:CYS:H	12	0.27	0.11	0.26
(1,3036)	1:439:A:VAL:HG11	1:445:A:ALA:H	12	0.26	0.07	0.26
(1,3036)	1:439:A:VAL:HG12	1:445:A:ALA:H	12	0.26	0.07	0.26
(1,3036)	1:439:A:VAL:HG13	1:445:A:ALA:H	12	0.26	0.07	0.26
(1,3036)	1:439:A:VAL:HG21	1:445:A:ALA:H	12	0.26	0.07	0.26
(1,3036)	1:439:A:VAL:HG22	1:445:A:ALA:H	12	0.26	0.07	0.26
(1,3036)	1:439:A:VAL:HG23	1:445:A:ALA:H	12	0.26	0.07	0.26
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD11	12	0.25	0.09	0.22
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD12	12	0.25	0.09	0.22
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD13	12	0.25	0.09	0.22
(1,756)	1:400:A:VAL:HA	1:403:A:ALA:H	12	0.24	0.08	0.25
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB1	12	0.23	0.08	0.24
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB2	12	0.23	0.08	0.24
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB3	12	0.23	0.08	0.24
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG21	12	0.23	0.08	0.22
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG22	12	0.23	0.08	0.22
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG23	12	0.23	0.08	0.22
(1,497)	1:395:A:ILE:HD11	1:398:A:ALA:H	12	0.22	0.1	0.21
(1,497)	1:395:A:ILE:HD12	1:398:A:ALA:H	12	0.22	0.1	0.21
(1,497)	1:395:A:ILE:HD13	1:398:A:ALA:H	12	0.22	0.1	0.21
(1,2626)	1:372:A:ASP:HB2	1:376:A:ILE:H	12	0.2	0.05	0.18
(1,2626)	1:372:A:ASP:HB3	1:376:A:ILE:H	12	0.2	0.05	0.18
(1,158)	1:374:A:LYS:H	1:375:A:ARG:HA	12	0.2	0.05	0.2
(1,1135)	1:462:A:LEU:HD11	1:463:A:SER:H	12	0.2	0.07	0.2
(1,1135)	1:462:A:LEU:HD12	1:463:A:SER:H	12	0.2	0.07	0.2
(1,1135)	1:462:A:LEU:HD13	1:463:A:SER:H	12	0.2	0.07	0.2
(1,754)	1:400:A:VAL:HB	1:403:A:ALA:H	12	0.19	0.06	0.2
(1,435)	1:372:A:ASP:H	1:375:A:ARG:H	12	0.19	0.06	0.18
(1,1384)	1:424:A:THR:HA	1:434:A:ILE:H	12	0.18	0.05	0.17
(1,812)	1:363:A:LYS:HB3	1:365:A:GLY:H	12	0.18	0.06	0.17
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG21	12	0.17	0.06	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG22	12	0.17	0.06	0.16
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG23	12	0.17	0.06	0.16
(1,2999)	1:430:A:GLU:HB2	1:431:A:THR:HB	12	0.14	0.03	0.14
(1,2999)	1:430:A:GLU:HB3	1:431:A:THR:HB	12	0.14	0.03	0.14
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD11	12	0.13	0.02	0.12
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD12	12	0.13	0.02	0.12
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD13	12	0.13	0.02	0.12
(1,1848)	1:409:A:VAL:HA	1:412:A:TYR:HD1	11	2.69	0.17	2.63
(1,14)	1:411:A:GLY:H	1:412:A:TYR:HD1	11	2.63	0.19	2.65
(1,1858)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	11	2.04	0.22	2.03
(1,1858)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	11	2.04	0.22	2.03
(1,1858)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	11	2.04	0.22	2.03
(1,2888)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	11	1.91	0.19	1.84
(1,2888)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	11	1.91	0.19	1.84
(1,2888)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	11	1.91	0.19	1.84
(1,2888)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	11	1.91	0.19	1.84
(1,2888)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	11	1.91	0.19	1.84
(1,2888)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	11	1.91	0.19	1.84
(1,2325)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	11	1.54	0.23	1.48
(1,2325)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	11	1.54	0.23	1.48
(1,2325)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	11	1.54	0.23	1.48
(1,1730)	1:411:A:GLY:HA3	1:412:A:TYR:HD1	11	1.43	0.36	1.44
(1,1730)	1:411:A:GLY:HA2	1:412:A:TYR:HD1	11	1.43	0.36	1.44
(1,230)	1:412:A:TYR:H	1:412:A:TYR:HD1	11	0.8	0.15	0.76
(1,2086)	1:412:A:TYR:HA	1:413:A:LEU:HG	11	0.6	0.1	0.64
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD21	11	0.58	0.05	0.59
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD22	11	0.58	0.05	0.59
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD23	11	0.58	0.05	0.59
(1,1088)	1:412:A:TYR:H	1:412:A:TYR:HE1	11	0.54	0.18	0.49
(1,1953)	1:374:A:LYS:HB2	1:375:A:ARG:HD3	11	0.47	0.15	0.52
(1,2850)	1:400:A:VAL:HG11	1:426:A:SER:H	11	0.41	0.16	0.44
(1,2850)	1:400:A:VAL:HG12	1:426:A:SER:H	11	0.41	0.16	0.44
(1,2850)	1:400:A:VAL:HG13	1:426:A:SER:H	11	0.41	0.16	0.44
(1,2850)	1:400:A:VAL:HG21	1:426:A:SER:H	11	0.41	0.16	0.44
(1,2850)	1:400:A:VAL:HG22	1:426:A:SER:H	11	0.41	0.16	0.44
(1,2850)	1:400:A:VAL:HG23	1:426:A:SER:H	11	0.41	0.16	0.44
(1,2045)	1:450:A:GLU:H	1:450:A:GLU:HG3	11	0.39	0.07	0.43
(1,1184)	1:367:A:PHE:HB3	1:377:A:GLN:HG2	11	0.36	0.14	0.36
(1,1087)	1:412:A:TYR:HD1	1:413:A:LEU:H	11	0.36	0.08	0.37
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG2	11	0.35	0.13	0.32
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG3	11	0.35	0.13	0.32
(1,3056)	1:446:A:LEU:HB2	1:464:A:SER:H	11	0.34	0.16	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3056)	1:446:A:LEU:HB3	1:464:A:SER:H	11	0.34	0.16	0.3
(1,1873)	1:448:A:PHE:HA	1:451:A:ASN:H	11	0.33	0.17	0.29
(1,740)	1:360:A:TYR:H	1:360:A:TYR:HD1	11	0.31	0.15	0.26
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD2	11	0.3	0.08	0.34
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD3	11	0.3	0.08	0.34
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD2	11	0.3	0.08	0.34
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD3	11	0.3	0.08	0.34
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD2	11	0.3	0.08	0.34
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD3	11	0.3	0.08	0.34
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD2	11	0.3	0.08	0.34
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD3	11	0.3	0.08	0.34
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD2	11	0.3	0.08	0.34
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD3	11	0.3	0.08	0.34
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD2	11	0.3	0.08	0.34
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD3	11	0.3	0.08	0.34
(1,2139)	1:372:A:ASP:H	1:375:A:ARG:HD2	11	0.29	0.06	0.29
(1,176)	1:365:A:GLY:H	1:366:A:ASN:H	11	0.29	0.12	0.29
(1,2187)	1:425:A:ALA:HB1	1:433:A:SER:HA	11	0.28	0.13	0.26
(1,2187)	1:425:A:ALA:HB2	1:433:A:SER:HA	11	0.28	0.13	0.26
(1,2187)	1:425:A:ALA:HB3	1:433:A:SER:HA	11	0.28	0.13	0.26
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE21	11	0.27	0.11	0.3
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE21	11	0.27	0.11	0.3
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE21	11	0.27	0.11	0.3
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE21	11	0.27	0.11	0.3
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE21	11	0.27	0.11	0.3
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE21	11	0.27	0.11	0.3
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE22	11	0.27	0.11	0.3
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE22	11	0.27	0.11	0.3
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE22	11	0.27	0.11	0.3
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE22	11	0.27	0.11	0.3
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE22	11	0.27	0.11	0.3
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE22	11	0.27	0.11	0.3
(1,2373)	1:376:A:ILE:HD11	1:399:A:CYS:HB2	11	0.26	0.1	0.23
(1,2373)	1:376:A:ILE:HD12	1:399:A:CYS:HB2	11	0.26	0.1	0.23
(1,2373)	1:376:A:ILE:HD13	1:399:A:CYS:HB2	11	0.26	0.1	0.23
(1,2213)	1:451:A:ASN:HA	1:453:A:CYS:H	11	0.24	0.08	0.25
(1,37)	1:419:A:GLY:H	1:435:A:GLN:HG2	11	0.23	0.09	0.26
(1,601)	1:439:A:VAL:HG11	1:445:A:ALA:H	11	0.22	0.07	0.21
(1,601)	1:439:A:VAL:HG12	1:445:A:ALA:H	11	0.22	0.07	0.21
(1,601)	1:439:A:VAL:HG13	1:445:A:ALA:H	11	0.22	0.07	0.21
(1,1100)	1:425:A:ALA:HA	1:432:A:HIS:H	11	0.22	0.05	0.23
(1,2801)	1:396:A:VAL:HG11	1:424:A:THR:H	11	0.19	0.06	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2801)	1:396:A:VAL:HG12	1:424:A:THR:H	11	0.19	0.06	0.19
(1,2801)	1:396:A:VAL:HG13	1:424:A:THR:H	11	0.19	0.06	0.19
(1,2801)	1:396:A:VAL:HG21	1:424:A:THR:H	11	0.19	0.06	0.19
(1,2801)	1:396:A:VAL:HG22	1:424:A:THR:H	11	0.19	0.06	0.19
(1,2801)	1:396:A:VAL:HG23	1:424:A:THR:H	11	0.19	0.06	0.19
(1,1914)	1:367:A:PHE:HB2	1:371:A:LEU:HB3	11	0.19	0.04	0.18
(1,629)	1:360:A:TYR:H	1:465:A:GLN:H	11	0.18	0.04	0.18
(1,338)	1:422:A:VAL:H	1:436:A:LEU:H	11	0.18	0.05	0.19
(1,1458)	1:434:A:ILE:HD11	1:436:A:LEU:HG	11	0.18	0.05	0.18
(1,1458)	1:434:A:ILE:HD12	1:436:A:LEU:HG	11	0.18	0.05	0.18
(1,1458)	1:434:A:ILE:HD13	1:436:A:LEU:HG	11	0.18	0.05	0.18
(1,1819)	1:417:A:ASN:HA	1:418:A:ARG:HB2	11	0.17	0.04	0.15
(1,658)	1:363:A:LYS:H	1:364:A:HIS:HB2	11	0.17	0.03	0.17
(1,1491)	1:387:A:PRO:HA	1:388:A:VAL:HB	11	0.16	0.04	0.14
(1,1580)	1:379:A:LEU:HD11	1:380:A:PRO:HD2	11	0.15	0.05	0.13
(1,1580)	1:379:A:LEU:HD12	1:380:A:PRO:HD2	11	0.15	0.05	0.13
(1,1580)	1:379:A:LEU:HD13	1:380:A:PRO:HD2	11	0.15	0.05	0.13
(1,2132)	1:375:A:ARG:HA	1:375:A:ARG:HD3	11	0.15	0.02	0.15
(1,2546)	1:363:A:LYS:HE2	1:377:A:GLN:H	11	0.14	0.03	0.13
(1,2546)	1:363:A:LYS:HE3	1:377:A:GLN:H	11	0.14	0.03	0.13
(1,810)	1:380:A:PRO:HG2	1:382:A:HIS:H	10	0.51	0.41	0.3
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD11	10	0.46	0.24	0.44
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD12	10	0.46	0.24	0.44
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD13	10	0.46	0.24	0.44
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD21	10	0.46	0.24	0.44
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD22	10	0.46	0.24	0.44
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD23	10	0.46	0.24	0.44
(1,41)	1:419:A:GLY:H	1:437:A:PRO:HA	10	0.42	0.19	0.52
(1,1091)	1:416:A:ASP:HB2	1:418:A:ARG:H	10	0.37	0.15	0.34
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG2	10	0.36	0.17	0.38
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG3	10	0.36	0.17	0.38
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG2	10	0.36	0.12	0.32
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG3	10	0.36	0.12	0.32
(1,3114)	1:453:A:CYS:HB2	1:459:A:ASP:HA	10	0.35	0.19	0.32
(1,3114)	1:453:A:CYS:HB3	1:459:A:ASP:HA	10	0.35	0.19	0.32
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD11	10	0.27	0.1	0.26
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD12	10	0.27	0.1	0.26
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD13	10	0.27	0.1	0.26
(1,1415)	1:406:A:THR:HG21	1:427:A:PHE:HB3	10	0.26	0.07	0.27
(1,1415)	1:406:A:THR:HG22	1:427:A:PHE:HB3	10	0.26	0.07	0.27
(1,1415)	1:406:A:THR:HG23	1:427:A:PHE:HB3	10	0.26	0.07	0.27
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD11	10	0.24	0.08	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD12	10	0.24	0.08	0.2
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD13	10	0.24	0.08	0.2
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD21	10	0.24	0.08	0.2
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD22	10	0.24	0.08	0.2
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD23	10	0.24	0.08	0.2
(1,478)	1:359:A:VAL:HA	1:361:A:VAL:H	10	0.23	0.08	0.22
(1,198)	1:405:A:GLU:HA	1:408:A:THR:H	10	0.23	0.08	0.22
(1,2361)	1:376:A:ILE:HA	1:378:A:GLN:HB2	10	0.23	0.08	0.2
(1,240)	1:428:A:ASP:HA	1:430:A:GLU:H	10	0.22	0.06	0.23
(1,492)	1:397:A:GLN:HB3	1:398:A:ALA:H	10	0.2	0.06	0.2
(1,1977)	1:395:A:ILE:HA	1:398:A:ALA:H	10	0.2	0.06	0.19
(1,1529)	1:386:A:GLY:HA3	1:387:A:PRO:HG2	10	0.19	0.04	0.19
(1,2460)	1:359:A:VAL:HG11	1:360:A:TYR:H	10	0.19	0.09	0.16
(1,2460)	1:359:A:VAL:HG12	1:360:A:TYR:H	10	0.19	0.09	0.16
(1,2460)	1:359:A:VAL:HG13	1:360:A:TYR:H	10	0.19	0.09	0.16
(1,2460)	1:359:A:VAL:HG21	1:360:A:TYR:H	10	0.19	0.09	0.16
(1,2460)	1:359:A:VAL:HG22	1:360:A:TYR:H	10	0.19	0.09	0.16
(1,2460)	1:359:A:VAL:HG23	1:360:A:TYR:H	10	0.19	0.09	0.16
(1,1830)	1:396:A:VAL:HA	1:423:A:ILE:HG13	10	0.19	0.05	0.18
(1,355)	1:434:A:ILE:HD11	1:435:A:GLN:H	10	0.18	0.08	0.15
(1,355)	1:434:A:ILE:HD12	1:435:A:GLN:H	10	0.18	0.08	0.15
(1,355)	1:434:A:ILE:HD13	1:435:A:GLN:H	10	0.18	0.08	0.15
(1,2935)	1:416:A:ASP:HB2	1:435:A:GLN:H	10	0.18	0.06	0.18
(1,2935)	1:416:A:ASP:HB3	1:435:A:GLN:H	10	0.18	0.06	0.18
(1,854)	1:387:A:PRO:HA	1:390:A:VAL:H	10	0.17	0.04	0.16
(1,692)	1:359:A:VAL:H	1:385:A:PRO:HA	10	0.17	0.04	0.17
(1,1904)	1:400:A:VAL:HG11	1:402:A:CYS:H	10	0.16	0.04	0.16
(1,1904)	1:400:A:VAL:HG12	1:402:A:CYS:H	10	0.16	0.04	0.16
(1,1904)	1:400:A:VAL:HG13	1:402:A:CYS:H	10	0.16	0.04	0.16
(1,795)	1:378:A:GLN:H	1:379:A:LEU:HG	10	0.16	0.04	0.15
(1,2796)	1:396:A:VAL:HG11	1:423:A:ILE:H	10	0.16	0.05	0.16
(1,2796)	1:396:A:VAL:HG12	1:423:A:ILE:H	10	0.16	0.05	0.16
(1,2796)	1:396:A:VAL:HG13	1:423:A:ILE:H	10	0.16	0.05	0.16
(1,2796)	1:396:A:VAL:HG21	1:423:A:ILE:H	10	0.16	0.05	0.16
(1,2796)	1:396:A:VAL:HG22	1:423:A:ILE:H	10	0.16	0.05	0.16
(1,2796)	1:396:A:VAL:HG23	1:423:A:ILE:H	10	0.16	0.05	0.16
(1,1634)	1:380:A:PRO:HG3	1:383:A:PHE:HA	9	0.47	0.3	0.39
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB2	9	0.43	0.17	0.49
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB3	9	0.43	0.17	0.49
(1,1140)	1:466:A:PRO:HG2	1:468:A:SER:H	9	0.38	0.19	0.36
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG11	9	0.36	0.13	0.38
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG12	9	0.36	0.13	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG13	9	0.36	0.13	0.38
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG21	9	0.36	0.13	0.38
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG22	9	0.36	0.13	0.38
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG23	9	0.36	0.13	0.38
(1,2199)	1:405:A:GLU:HA	1:407:A:LYS:HB3	9	0.34	0.22	0.31
(1,580)	1:466:A:PRO:HG3	1:468:A:SER:H	9	0.32	0.1	0.33
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE2	9	0.32	0.11	0.32
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE3	9	0.32	0.11	0.32
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB2	9	0.32	0.1	0.35
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB3	9	0.32	0.1	0.35
(1,1682)	1:407:A:LYS:HD2	1:427:A:PHE:HD1	9	0.31	0.2	0.22
(1,1682)	1:407:A:LYS:HD3	1:427:A:PHE:HD1	9	0.31	0.2	0.22
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG2	9	0.29	0.08	0.25
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG3	9	0.29	0.08	0.25
(1,2847)	1:400:A:VAL:HG11	1:424:A:THR:HA	9	0.24	0.08	0.23
(1,2847)	1:400:A:VAL:HG12	1:424:A:THR:HA	9	0.24	0.08	0.23
(1,2847)	1:400:A:VAL:HG13	1:424:A:THR:HA	9	0.24	0.08	0.23
(1,2847)	1:400:A:VAL:HG21	1:424:A:THR:HA	9	0.24	0.08	0.23
(1,2847)	1:400:A:VAL:HG22	1:424:A:THR:HA	9	0.24	0.08	0.23
(1,2847)	1:400:A:VAL:HG23	1:424:A:THR:HA	9	0.24	0.08	0.23
(1,1011)	1:451:A:ASN:HD21	1:453:A:CYS:H	9	0.24	0.09	0.26
(1,1011)	1:451:A:ASN:HD22	1:453:A:CYS:H	9	0.24	0.09	0.26
(1,767)	1:411:A:GLY:HA3	1:413:A:LEU:H	9	0.22	0.12	0.15
(1,1833)	1:396:A:VAL:HG21	1:423:A:ILE:HG13	9	0.21	0.07	0.19
(1,1833)	1:396:A:VAL:HG22	1:423:A:ILE:HG13	9	0.21	0.07	0.19
(1,1833)	1:396:A:VAL:HG23	1:423:A:ILE:HG13	9	0.21	0.07	0.19
(1,932)	1:355:A:SER:H	1:388:A:VAL:H	9	0.21	0.05	0.23
(1,787)	1:377:A:GLN:H	1:378:A:GLN:HG2	9	0.18	0.06	0.17
(1,557)	1:455:A:SER:H	1:456:A:LEU:HG	9	0.18	0.06	0.16
(1,482)	1:361:A:VAL:H	1:382:A:HIS:H	9	0.18	0.06	0.18
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG11	9	0.18	0.05	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG12	9	0.18	0.05	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG13	9	0.18	0.05	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG21	9	0.18	0.05	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG22	9	0.18	0.05	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG23	9	0.18	0.05	0.14
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE21	9	0.18	0.07	0.15
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE22	9	0.18	0.07	0.15
(1,13)	1:408:A:THR:H	1:411:A:GLY:H	9	0.18	0.06	0.15
(1,1045)	1:357:A:VAL:H	1:386:A:GLY:HA2	9	0.17	0.04	0.17
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG3	9	0.17	0.06	0.16
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG2	9	0.17	0.06	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,444)	1:371:A:LEU:HD21	1:372:A:ASP:H	9	0.17	0.06	0.17
(1,444)	1:371:A:LEU:HD22	1:372:A:ASP:H	9	0.17	0.06	0.17
(1,444)	1:371:A:LEU:HD23	1:372:A:ASP:H	9	0.17	0.06	0.17
(1,817)	1:365:A:GLY:H	1:366:A:ASN:HA	9	0.16	0.03	0.16
(1,1575)	1:379:A:LEU:H	1:380:A:PRO:HD3	9	0.15	0.02	0.15
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD2	9	0.14	0.03	0.14
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD3	9	0.14	0.03	0.14
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD2	9	0.14	0.03	0.14
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD3	9	0.14	0.03	0.14
(1,263)	1:389:A:ASN:H	1:392:A:LEU:H	9	0.14	0.02	0.14
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG21	9	0.14	0.02	0.13
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG22	9	0.14	0.02	0.13
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG23	9	0.14	0.02	0.13
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG21	9	0.14	0.02	0.13
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG22	9	0.14	0.02	0.13
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG23	9	0.14	0.02	0.13
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD2	9	0.13	0.02	0.13
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD3	9	0.13	0.02	0.13
(1,1297)	1:446:A:LEU:HD11	1:464:A:SER:HA	8	0.72	0.24	0.79
(1,1297)	1:446:A:LEU:HD12	1:464:A:SER:HA	8	0.72	0.24	0.79
(1,1297)	1:446:A:LEU:HD13	1:464:A:SER:HA	8	0.72	0.24	0.79
(1,2116)	1:442:A:ALA:HA	1:446:A:LEU:HG	8	0.68	0.13	0.7
(1,2301)	1:359:A:VAL:HB	1:360:A:TYR:HB2	8	0.62	0.19	0.68
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD21	8	0.45	0.1	0.48
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD22	8	0.45	0.1	0.48
(1,510)	1:418:A:ARG:H	1:418:A:ARG:HD2	8	0.4	0.14	0.46
(1,672)	1:415:A:PRO:HB2	1:416:A:ASP:H	8	0.33	0.09	0.35
(1,672)	1:415:A:PRO:HB3	1:416:A:ASP:H	8	0.33	0.09	0.35
(1,1407)	1:426:A:SER:HA	1:430:A:GLU:H	8	0.32	0.1	0.37
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB2	8	0.3	0.12	0.29
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB3	8	0.3	0.12	0.29
(1,1095)	1:421:A:GLU:H	1:437:A:PRO:HD2	8	0.28	0.08	0.27
(1,382)	1:417:A:ASN:H	1:418:A:ARG:HB2	8	0.25	0.08	0.24
(1,2936)	1:416:A:ASP:HB2	1:435:A:GLN:HA	8	0.25	0.12	0.22
(1,2936)	1:416:A:ASP:HB3	1:435:A:GLN:HA	8	0.25	0.12	0.22
(1,1464)	1:434:A:ILE:HG12	1:435:A:GLN:H	8	0.25	0.08	0.22
(1,1857)	1:409:A:VAL:HG21	1:412:A:TYR:H	8	0.23	0.08	0.22
(1,1857)	1:409:A:VAL:HG22	1:412:A:TYR:H	8	0.23	0.08	0.22
(1,1857)	1:409:A:VAL:HG23	1:412:A:TYR:H	8	0.23	0.08	0.22
(1,287)	1:405:A:GLU:HB3	1:407:A:LYS:H	8	0.22	0.07	0.24
(1,1927)	1:371:A:LEU:HD21	1:402:A:CYS:H	8	0.22	0.13	0.2
(1,1927)	1:371:A:LEU:HD22	1:402:A:CYS:H	8	0.22	0.13	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1927)	1:371:A:LEU:HD23	1:402:A:CYS:H	8	0.22	0.13	0.2
(1,909)	1:406:A:THR:HB	1:426:A:SER:H	8	0.22	0.07	0.2
(1,1824)	1:396:A:VAL:HA	1:399:A:CYS:H	8	0.21	0.09	0.2
(1,647)	1:406:A:THR:HG21	1:425:A:ALA:H	8	0.21	0.07	0.22
(1,647)	1:406:A:THR:HG22	1:425:A:ALA:H	8	0.21	0.07	0.22
(1,647)	1:406:A:THR:HG23	1:425:A:ALA:H	8	0.21	0.07	0.22
(1,67)	1:386:A:GLY:H	1:391:A:VAL:HB	8	0.2	0.11	0.15
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD21	8	0.2	0.09	0.16
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD22	8	0.2	0.09	0.16
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD23	8	0.2	0.09	0.16
(1,369)	1:463:A:SER:HB3	1:464:A:SER:H	8	0.19	0.05	0.19
(1,633)	1:359:A:VAL:HA	1:465:A:GLN:H	8	0.19	0.06	0.16
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG11	8	0.17	0.07	0.14
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG12	8	0.17	0.07	0.14
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG13	8	0.17	0.07	0.14
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG21	8	0.17	0.07	0.14
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG22	8	0.17	0.07	0.14
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG23	8	0.17	0.07	0.14
(1,1103)	1:426:A:SER:H	1:432:A:HIS:H	8	0.17	0.04	0.16
(1,2174)	1:442:A:ALA:HA	1:446:A:LEU:H	8	0.16	0.03	0.16
(1,202)	1:390:A:VAL:HA	1:393:A:ARG:H	8	0.15	0.05	0.14
(1,1547)	1:452:A:PHE:HA	1:453:A:CYS:HA	8	0.11	0.01	0.11
(1,643)	1:447:A:ARG:HD2	1:450:A:GLU:H	7	0.91	0.04	0.91
(1,643)	1:447:A:ARG:HD3	1:450:A:GLU:H	7	0.91	0.04	0.91
(1,76)	1:359:A:VAL:HB	1:463:A:SER:H	7	0.76	0.05	0.78
(1,1122)	1:447:A:ARG:HD2	1:448:A:PHE:H	7	0.68	0.25	0.66
(1,1122)	1:447:A:ARG:HD3	1:448:A:PHE:H	7	0.68	0.25	0.66
(1,1753)	1:360:A:TYR:HE1	1:466:A:PRO:HB3	7	0.67	0.33	0.68
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD21	7	0.61	0.23	0.67
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD22	7	0.61	0.23	0.67
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD23	7	0.61	0.23	0.67
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD11	7	0.58	0.03	0.57
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD12	7	0.58	0.03	0.57
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD13	7	0.58	0.03	0.57
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD21	7	0.58	0.03	0.57
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD22	7	0.58	0.03	0.57
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD23	7	0.58	0.03	0.57
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD11	7	0.48	0.18	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD12	7	0.48	0.18	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD13	7	0.48	0.18	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD21	7	0.48	0.18	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD22	7	0.48	0.18	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD23	7	0.48	0.18	0.49
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB2	7	0.46	0.13	0.56
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB3	7	0.46	0.13	0.56
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB1	7	0.45	0.29	0.33
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB2	7	0.45	0.29	0.33
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB3	7	0.45	0.29	0.33
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD11	7	0.42	0.05	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD12	7	0.42	0.05	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD13	7	0.42	0.05	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD21	7	0.42	0.05	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD22	7	0.42	0.05	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD23	7	0.42	0.05	0.44
(1,970)	1:465:A:GLN:HE21	1:466:A:PRO:HD2	7	0.41	0.06	0.41
(1,970)	1:465:A:GLN:HE22	1:466:A:PRO:HD2	7	0.41	0.06	0.41
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD2	7	0.4	0.1	0.41
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD3	7	0.4	0.1	0.41
(1,1314)	1:436:A:LEU:HG	1:437:A:PRO:HD3	7	0.39	0.09	0.42
(1,308)	1:400:A:VAL:HB	1:424:A:THR:H	7	0.38	0.11	0.37
(1,1096)	1:418:A:ARG:H	1:420:A:GLY:H	7	0.37	0.2	0.34
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD11	7	0.37	0.22	0.42
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD12	7	0.37	0.22	0.42
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD13	7	0.37	0.22	0.42
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD21	7	0.37	0.22	0.42
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD22	7	0.37	0.22	0.42
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD23	7	0.37	0.22	0.42
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD21	7	0.36	0.21	0.33
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD22	7	0.36	0.21	0.33
(1,746)	1:358:A:CYS:H	1:464:A:SER:HB3	7	0.35	0.08	0.33
(1,1825)	1:396:A:VAL:HA	1:452:A:PHE:HZ	7	0.35	0.1	0.37
(1,1885)	1:419:A:GLY:HA3	1:438:A:PRO:HG3	7	0.34	0.16	0.39
(1,2848)	1:400:A:VAL:HG11	1:425:A:ALA:HA	7	0.33	0.14	0.3
(1,2848)	1:400:A:VAL:HG12	1:425:A:ALA:HA	7	0.33	0.14	0.3
(1,2848)	1:400:A:VAL:HG13	1:425:A:ALA:HA	7	0.33	0.14	0.3
(1,2848)	1:400:A:VAL:HG21	1:425:A:ALA:HA	7	0.33	0.14	0.3
(1,2848)	1:400:A:VAL:HG22	1:425:A:ALA:HA	7	0.33	0.14	0.3
(1,2848)	1:400:A:VAL:HG23	1:425:A:ALA:HA	7	0.33	0.14	0.3
(1,1312)	1:436:A:LEU:HG	1:437:A:PRO:HD2	7	0.32	0.04	0.3
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB2	7	0.32	0.15	0.22
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB3	7	0.32	0.15	0.22
(1,765)	1:411:A:GLY:HA2	1:413:A:LEU:H	7	0.3	0.17	0.32
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG2	7	0.29	0.12	0.24
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG3	7	0.29	0.12	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,55)	1:418:A:ARG:HB3	1:420:A:GLY:H	7	0.28	0.1	0.26
(1,2464)	1:359:A:VAL:HG11	1:383:A:PHE:HA	7	0.28	0.03	0.28
(1,2464)	1:359:A:VAL:HG12	1:383:A:PHE:HA	7	0.28	0.03	0.28
(1,2464)	1:359:A:VAL:HG13	1:383:A:PHE:HA	7	0.28	0.03	0.28
(1,2464)	1:359:A:VAL:HG21	1:383:A:PHE:HA	7	0.28	0.03	0.28
(1,2464)	1:359:A:VAL:HG22	1:383:A:PHE:HA	7	0.28	0.03	0.28
(1,2464)	1:359:A:VAL:HG23	1:383:A:PHE:HA	7	0.28	0.03	0.28
(1,1261)	1:369:A:PRO:HD3	1:457:A:GLN:HG3	7	0.27	0.17	0.18
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD21	7	0.26	0.13	0.22
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD22	7	0.26	0.13	0.22
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD23	7	0.26	0.13	0.22
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD21	7	0.26	0.13	0.22
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD22	7	0.26	0.13	0.22
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD23	7	0.26	0.13	0.22
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD21	7	0.26	0.13	0.22
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD22	7	0.26	0.13	0.22
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD23	7	0.26	0.13	0.22
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG2	7	0.23	0.09	0.19
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG3	7	0.23	0.09	0.19
(1,744)	1:358:A:CYS:H	1:385:A:PRO:HA	7	0.23	0.05	0.23
(1,77)	1:462:A:LEU:HG	1:463:A:SER:H	7	0.23	0.08	0.24
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB1	7	0.22	0.09	0.19
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB2	7	0.22	0.09	0.19
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB3	7	0.22	0.09	0.19
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG2	7	0.22	0.04	0.23
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG3	7	0.22	0.04	0.23
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD11	7	0.22	0.07	0.2
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD12	7	0.22	0.07	0.2
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD13	7	0.22	0.07	0.2
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD11	7	0.22	0.07	0.2
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD12	7	0.22	0.07	0.2
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD13	7	0.22	0.07	0.2
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD11	7	0.22	0.07	0.2
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD12	7	0.22	0.07	0.2
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD13	7	0.22	0.07	0.2
(1,3005)	1:432:A:HIS:HB2	1:433:A:SER:H	7	0.2	0.05	0.2
(1,3005)	1:432:A:HIS:HB3	1:433:A:SER:H	7	0.2	0.05	0.2
(1,2112)	1:446:A:LEU:HD21	1:464:A:SER:HA	7	0.19	0.06	0.19
(1,2112)	1:446:A:LEU:HD22	1:464:A:SER:HA	7	0.19	0.06	0.19
(1,2112)	1:446:A:LEU:HD23	1:464:A:SER:HA	7	0.19	0.06	0.19
(1,1842)	1:371:A:LEU:HD21	1:402:A:CYS:HA	7	0.19	0.08	0.15
(1,1842)	1:371:A:LEU:HD22	1:402:A:CYS:HA	7	0.19	0.08	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1842)	1:371:A:LEU:HD23	1:402:A:CYS:HA	7	0.19	0.08	0.15
(1,232)	1:410:A:PHE:HA	1:412:A:TYR:H	7	0.17	0.05	0.16
(1,2359)	1:375:A:ARG:HB3	1:376:A:ILE:HA	7	0.17	0.03	0.16
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG11	7	0.17	0.05	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG12	7	0.17	0.05	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG13	7	0.17	0.05	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG21	7	0.17	0.05	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG22	7	0.17	0.05	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG23	7	0.17	0.05	0.17
(1,3033)	1:439:A:VAL:HG11	1:444:A:PHE:HA	7	0.16	0.05	0.15
(1,3033)	1:439:A:VAL:HG12	1:444:A:PHE:HA	7	0.16	0.05	0.15
(1,3033)	1:439:A:VAL:HG13	1:444:A:PHE:HA	7	0.16	0.05	0.15
(1,3033)	1:439:A:VAL:HG21	1:444:A:PHE:HA	7	0.16	0.05	0.15
(1,3033)	1:439:A:VAL:HG22	1:444:A:PHE:HA	7	0.16	0.05	0.15
(1,3033)	1:439:A:VAL:HG23	1:444:A:PHE:HA	7	0.16	0.05	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG11	7	0.15	0.02	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG12	7	0.15	0.02	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG13	7	0.15	0.02	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG21	7	0.15	0.02	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG22	7	0.15	0.02	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG23	7	0.15	0.02	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG11	7	0.15	0.02	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG12	7	0.15	0.02	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG13	7	0.15	0.02	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG21	7	0.15	0.02	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG22	7	0.15	0.02	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG23	7	0.15	0.02	0.15
(1,213)	1:373:A:PRO:HG2	1:375:A:ARG:H	7	0.15	0.07	0.13
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG11	7	0.14	0.02	0.14
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG12	7	0.14	0.02	0.14
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG13	7	0.14	0.02	0.14
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG21	7	0.14	0.02	0.14
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG22	7	0.14	0.02	0.14
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG23	7	0.14	0.02	0.14
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG3	7	0.14	0.04	0.13
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG2	7	0.14	0.04	0.13
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG11	7	0.12	0.01	0.12
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG12	7	0.12	0.01	0.12
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG13	7	0.12	0.01	0.12
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG21	7	0.12	0.01	0.12
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG22	7	0.12	0.01	0.12
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG23	7	0.12	0.01	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD21	6	0.65	0.27	0.7
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD22	6	0.65	0.27	0.7
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD11	6	0.49	0.29	0.55
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD12	6	0.49	0.29	0.55
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD13	6	0.49	0.29	0.55
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD21	6	0.49	0.29	0.55
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD22	6	0.49	0.29	0.55
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD23	6	0.49	0.29	0.55
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB2	6	0.4	0.13	0.4
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB3	6	0.4	0.13	0.4
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE21	6	0.39	0.11	0.42
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE22	6	0.39	0.11	0.42
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE21	6	0.39	0.11	0.42
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE22	6	0.39	0.11	0.42
(1,1294)	1:439:A:VAL:HG21	1:444:A:PHE:HD1	6	0.36	0.23	0.29
(1,1294)	1:439:A:VAL:HG22	1:444:A:PHE:HD1	6	0.36	0.23	0.29
(1,1294)	1:439:A:VAL:HG23	1:444:A:PHE:HD1	6	0.36	0.23	0.29
(1,151)	1:380:A:PRO:HG2	1:381:A:ASP:H	6	0.35	0.19	0.27
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD21	6	0.35	0.09	0.35
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD22	6	0.35	0.09	0.35
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD21	6	0.35	0.09	0.35
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD22	6	0.35	0.09	0.35
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD21	6	0.35	0.09	0.35
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD22	6	0.35	0.09	0.35
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD21	6	0.35	0.09	0.35
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD22	6	0.35	0.09	0.35
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD21	6	0.35	0.09	0.35
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD22	6	0.35	0.09	0.35
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD21	6	0.35	0.09	0.35
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD22	6	0.35	0.09	0.35
(1,1041)	1:359:A:VAL:H	1:383:A:PHE:HB2	6	0.34	0.11	0.34
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB2	6	0.32	0.12	0.29
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB3	6	0.32	0.12	0.29
(1,578)	1:467:A:PHE:HB3	1:468:A:SER:H	6	0.32	0.11	0.32
(1,578)	1:467:A:PHE:HB2	1:468:A:SER:H	6	0.32	0.11	0.32
(1,855)	1:387:A:PRO:HD2	1:390:A:VAL:H	6	0.32	0.11	0.36
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG2	6	0.27	0.09	0.22
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG3	6	0.27	0.09	0.22
(1,1918)	1:379:A:LEU:HD11	1:380:A:PRO:HG3	6	0.26	0.12	0.22
(1,1918)	1:379:A:LEU:HD12	1:380:A:PRO:HG3	6	0.26	0.12	0.22
(1,1918)	1:379:A:LEU:HD13	1:380:A:PRO:HG3	6	0.26	0.12	0.22
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB2	6	0.25	0.07	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB3	6	0.25	0.07	0.26
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB1	6	0.24	0.07	0.25
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB2	6	0.24	0.07	0.25
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB3	6	0.24	0.07	0.25
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD21	6	0.24	0.12	0.2
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD22	6	0.24	0.12	0.2
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD23	6	0.24	0.12	0.2
(1,956)	1:389:A:ASN:H	1:439:A:VAL:H	6	0.24	0.11	0.19
(1,49)	1:420:A:GLY:H	1:436:A:LEU:HA	6	0.23	0.14	0.16
(1,883)	1:357:A:VAL:H	1:384:A:GLY:HA3	6	0.23	0.1	0.22
(1,1300)	1:446:A:LEU:HD11	1:465:A:GLN:H	6	0.22	0.12	0.2
(1,1300)	1:446:A:LEU:HD12	1:465:A:GLN:H	6	0.22	0.12	0.2
(1,1300)	1:446:A:LEU:HD13	1:465:A:GLN:H	6	0.22	0.12	0.2
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB2	6	0.22	0.04	0.22
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB3	6	0.22	0.04	0.22
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB2	6	0.22	0.04	0.22
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB3	6	0.22	0.04	0.22
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB2	6	0.22	0.04	0.22
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB3	6	0.22	0.04	0.22
(1,126)	1:431:A:THR:H	1:431:A:THR:HB	6	0.21	0.06	0.22
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG11	6	0.2	0.09	0.16
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG12	6	0.2	0.09	0.16
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG13	6	0.2	0.09	0.16
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG21	6	0.2	0.09	0.16
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG22	6	0.2	0.09	0.16
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG23	6	0.2	0.09	0.16
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG11	6	0.2	0.09	0.16
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG12	6	0.2	0.09	0.16
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG13	6	0.2	0.09	0.16
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG21	6	0.2	0.09	0.16
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG22	6	0.2	0.09	0.16
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG23	6	0.2	0.09	0.16
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG2	6	0.18	0.06	0.2
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG3	6	0.18	0.06	0.2
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD21	6	0.18	0.05	0.18
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD22	6	0.18	0.05	0.18
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG11	6	0.18	0.04	0.18
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG12	6	0.18	0.04	0.18
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG13	6	0.18	0.04	0.18
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG21	6	0.18	0.04	0.18
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG22	6	0.18	0.04	0.18
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG23	6	0.18	0.04	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,163)	1:399:A:CYS:H	1:401:A:ASP:H	6	0.18	0.06	0.14
(1,400)	1:424:A:THR:HG21	1:434:A:ILE:H	6	0.17	0.08	0.14
(1,400)	1:424:A:THR:HG22	1:434:A:ILE:H	6	0.17	0.08	0.14
(1,400)	1:424:A:THR:HG23	1:434:A:ILE:H	6	0.17	0.08	0.14
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB1	6	0.16	0.11	0.11
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB2	6	0.16	0.11	0.11
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB3	6	0.16	0.11	0.11
(1,438)	1:372:A:ASP:H	1:373:A:PRO:HD3	6	0.16	0.03	0.17
(1,405)	1:433:A:SER:HB3	1:434:A:ILE:H	6	0.15	0.03	0.14
(1,933)	1:392:A:LEU:HA	1:449:A:LEU:H	6	0.15	0.03	0.16
(1,1105)	1:435:A:GLN:HA	1:435:A:GLN:HE21	6	0.15	0.02	0.15
(1,2731)	1:392:A:LEU:HD11	1:393:A:ARG:HB2	6	0.14	0.05	0.12
(1,2731)	1:392:A:LEU:HD12	1:393:A:ARG:HB2	6	0.14	0.05	0.12
(1,2731)	1:392:A:LEU:HD13	1:393:A:ARG:HB2	6	0.14	0.05	0.12
(1,2731)	1:392:A:LEU:HD21	1:393:A:ARG:HB2	6	0.14	0.05	0.12
(1,2731)	1:392:A:LEU:HD22	1:393:A:ARG:HB2	6	0.14	0.05	0.12
(1,2731)	1:392:A:LEU:HD23	1:393:A:ARG:HB2	6	0.14	0.05	0.12
(1,51)	1:420:A:GLY:H	1:435:A:GLN:HG2	6	0.14	0.02	0.15
(1,2831)	1:400:A:VAL:HG11	1:403:A:ALA:H	6	0.13	0.02	0.12
(1,2831)	1:400:A:VAL:HG12	1:403:A:ALA:H	6	0.13	0.02	0.12
(1,2831)	1:400:A:VAL:HG13	1:403:A:ALA:H	6	0.13	0.02	0.12
(1,2831)	1:400:A:VAL:HG21	1:403:A:ALA:H	6	0.13	0.02	0.12
(1,2831)	1:400:A:VAL:HG22	1:403:A:ALA:H	6	0.13	0.02	0.12
(1,2831)	1:400:A:VAL:HG23	1:403:A:ALA:H	6	0.13	0.02	0.12
(1,1430)	1:431:A:THR:HB	1:432:A:HIS:H	6	0.13	0.02	0.12
(1,1636)	1:401:A:ASP:HA	1:402:A:CYS:HA	6	0.13	0.02	0.14
(1,686)	1:359:A:VAL:H	1:359:A:VAL:HB	6	0.13	0.02	0.12
(1,803)	1:382:A:HIS:H	1:383:A:PHE:H	6	0.12	0.01	0.12
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB1	6	0.12	0.02	0.12
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB2	6	0.12	0.02	0.12
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB3	6	0.12	0.02	0.12
(1,200)	1:406:A:THR:HB	1:408:A:THR:H	6	0.12	0.02	0.11
(1,1526)	1:385:A:PRO:HG2	1:386:A:GLY:HA2	5	0.94	0.04	0.95
(1,34)	1:427:A:PHE:HA	1:429:A:GLY:H	5	0.44	0.15	0.46
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD11	5	0.41	0.16	0.31
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD12	5	0.41	0.16	0.31
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD13	5	0.41	0.16	0.31
(1,1013)	1:354:A:MET:HG3	1:389:A:ASN:H	5	0.39	0.17	0.37
(1,2398)	1:373:A:PRO:HA	1:377:A:GLN:HE21	5	0.33	0.18	0.43
(1,2398)	1:373:A:PRO:HA	1:377:A:GLN:HE22	5	0.33	0.18	0.43
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD11	5	0.32	0.21	0.23
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD12	5	0.32	0.21	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD13	5	0.32	0.21	0.23
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD21	5	0.32	0.21	0.23
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD22	5	0.32	0.21	0.23
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD23	5	0.32	0.21	0.23
(1,345)	1:393:A:ARG:HG3	1:422:A:VAL:H	5	0.31	0.13	0.31
(1,666)	1:448:A:PHE:HA	1:452:A:PHE:H	5	0.29	0.17	0.23
(1,903)	1:354:A:MET:HB2	1:441:A:SER:H	5	0.29	0.17	0.24
(1,903)	1:354:A:MET:HB3	1:441:A:SER:H	5	0.29	0.17	0.24
(1,440)	1:372:A:ASP:H	1:375:A:ARG:HD3	5	0.29	0.11	0.27
(1,2632)	1:375:A:ARG:HA	1:402:A:CYS:HB2	5	0.27	0.14	0.21
(1,2632)	1:375:A:ARG:HA	1:402:A:CYS:HB3	5	0.27	0.14	0.21
(1,2950)	1:420:A:GLY:HA2	1:439:A:VAL:H	5	0.27	0.11	0.23
(1,2950)	1:420:A:GLY:HA3	1:439:A:VAL:H	5	0.27	0.11	0.23
(1,414)	1:398:A:ALA:HA	1:401:A:ASP:H	5	0.26	0.06	0.28
(1,1951)	1:375:A:ARG:HD3	1:402:A:CYS:HB2	5	0.26	0.08	0.29
(1,1324)	1:465:A:GLN:HG2	1:466:A:PRO:HD3	5	0.25	0.08	0.28
(1,1324)	1:465:A:GLN:HG3	1:466:A:PRO:HD3	5	0.25	0.08	0.28
(1,1324)	1:465:A:GLN:HG2	1:466:A:PRO:HD2	5	0.25	0.08	0.28
(1,1324)	1:465:A:GLN:HG3	1:466:A:PRO:HD2	5	0.25	0.08	0.28
(1,2141)	1:444:A:PHE:HA	1:447:A:ARG:HG2	5	0.25	0.1	0.26
(1,2141)	1:444:A:PHE:HA	1:447:A:ARG:HG3	5	0.25	0.1	0.26
(1,1098)	1:421:A:GLU:HB2	1:436:A:LEU:H	5	0.25	0.06	0.22
(1,3162)	1:463:A:SER:H	1:464:A:SER:HB2	5	0.24	0.15	0.16
(1,3162)	1:463:A:SER:H	1:464:A:SER:HB3	5	0.24	0.15	0.16
(1,1843)	1:396:A:VAL:HG11	1:452:A:PHE:HA	5	0.23	0.12	0.2
(1,1843)	1:396:A:VAL:HG12	1:452:A:PHE:HA	5	0.23	0.12	0.2
(1,1843)	1:396:A:VAL:HG13	1:452:A:PHE:HA	5	0.23	0.12	0.2
(1,2046)	1:399:A:CYS:HA	1:401:A:ASP:H	5	0.23	0.1	0.18
(1,1064)	1:395:A:ILE:HG21	1:449:A:LEU:H	5	0.23	0.02	0.22
(1,1064)	1:395:A:ILE:HG22	1:449:A:LEU:H	5	0.23	0.02	0.22
(1,1064)	1:395:A:ILE:HG23	1:449:A:LEU:H	5	0.23	0.02	0.22
(1,1895)	1:400:A:VAL:HA	1:402:A:CYS:H	5	0.22	0.06	0.24
(1,299)	1:425:A:ALA:HB1	1:426:A:SER:H	5	0.22	0.06	0.19
(1,299)	1:425:A:ALA:HB2	1:426:A:SER:H	5	0.22	0.06	0.19
(1,299)	1:425:A:ALA:HB3	1:426:A:SER:H	5	0.22	0.06	0.19
(1,1867)	1:354:A:MET:HA	1:355:A:SER:HB2	5	0.22	0.08	0.26
(1,1867)	1:354:A:MET:HA	1:355:A:SER:HB3	5	0.22	0.08	0.26
(1,1320)	1:465:A:GLN:HA	1:465:A:GLN:HG2	5	0.22	0.07	0.16
(1,1320)	1:465:A:GLN:HA	1:465:A:GLN:HG3	5	0.22	0.07	0.16
(1,523)	1:399:A:CYS:HB3	1:400:A:VAL:H	5	0.21	0.06	0.2
(1,1577)	1:379:A:LEU:HD21	1:380:A:PRO:HD2	5	0.21	0.07	0.18
(1,1577)	1:379:A:LEU:HD22	1:380:A:PRO:HD2	5	0.21	0.07	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1577)	1:379:A:LEU:HD23	1:380:A:PRO:HD2	5	0.21	0.07	0.18
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD11	5	0.2	0.14	0.15
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD12	5	0.2	0.14	0.15
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD13	5	0.2	0.14	0.15
(1,1028)	1:367:A:PHE:H	1:367:A:PHE:HD1	5	0.2	0.04	0.22
(1,1033)	1:367:A:PHE:H	1:369:A:PRO:HB3	5	0.2	0.1	0.16
(1,1414)	1:406:A:THR:HB	1:427:A:PHE:HA	5	0.2	0.07	0.17
(1,454)	1:392:A:LEU:HD11	1:448:A:PHE:H	5	0.19	0.06	0.2
(1,454)	1:392:A:LEU:HD12	1:448:A:PHE:H	5	0.19	0.06	0.2
(1,454)	1:392:A:LEU:HD13	1:448:A:PHE:H	5	0.19	0.06	0.2
(1,702)	1:424:A:THR:HB	1:432:A:HIS:H	5	0.19	0.06	0.16
(1,1571)	1:380:A:PRO:HA	1:381:A:ASP:HB2	5	0.19	0.08	0.16
(1,804)	1:360:A:TYR:HA	1:382:A:HIS:H	5	0.19	0.05	0.2
(1,1795)	1:406:A:THR:HG21	1:427:A:PHE:H	5	0.19	0.08	0.18
(1,1795)	1:406:A:THR:HG22	1:427:A:PHE:H	5	0.19	0.08	0.18
(1,1795)	1:406:A:THR:HG23	1:427:A:PHE:H	5	0.19	0.08	0.18
(1,1940)	1:447:A:ARG:HA	1:450:A:GLU:HB3	5	0.19	0.05	0.2
(1,1328)	1:389:A:ASN:HB2	1:421:A:GLU:HA	5	0.18	0.04	0.2
(1,1328)	1:389:A:ASN:HB3	1:421:A:GLU:HA	5	0.18	0.04	0.2
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB1	5	0.18	0.09	0.14
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB2	5	0.18	0.09	0.14
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB3	5	0.18	0.09	0.14
(1,771)	1:376:A:ILE:HG21	1:379:A:LEU:H	5	0.18	0.06	0.15
(1,771)	1:376:A:ILE:HG22	1:379:A:LEU:H	5	0.18	0.06	0.15
(1,771)	1:376:A:ILE:HG23	1:379:A:LEU:H	5	0.18	0.06	0.15
(1,1336)	1:422:A:VAL:HA	1:436:A:LEU:HB2	5	0.18	0.07	0.16
(1,766)	1:413:A:LEU:H	1:414:A:LYS:HA	5	0.17	0.09	0.14
(1,2465)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	5	0.17	0.04	0.19
(1,2465)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	5	0.17	0.04	0.19
(1,2465)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	5	0.17	0.04	0.19
(1,2465)	1:359:A:VAL:HG21	1:383:A:PHE:HB3	5	0.17	0.04	0.19
(1,2465)	1:359:A:VAL:HG22	1:383:A:PHE:HB3	5	0.17	0.04	0.19
(1,2465)	1:359:A:VAL:HG23	1:383:A:PHE:HB3	5	0.17	0.04	0.19
(1,2580)	1:368:A:GLY:H	1:458:A:CYS:HB2	5	0.17	0.03	0.17
(1,2580)	1:368:A:GLY:H	1:458:A:CYS:HB3	5	0.17	0.03	0.17
(1,2173)	1:357:A:VAL:HA	1:442:A:ALA:HA	5	0.16	0.03	0.17
(1,570)	1:445:A:ALA:HB1	1:447:A:ARG:H	5	0.16	0.02	0.17
(1,570)	1:445:A:ALA:HB2	1:447:A:ARG:H	5	0.16	0.02	0.17
(1,570)	1:445:A:ALA:HB3	1:447:A:ARG:H	5	0.16	0.02	0.17
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG11	5	0.16	0.07	0.14
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG12	5	0.16	0.07	0.14
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG13	5	0.16	0.07	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG21	5	0.16	0.07	0.14
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG22	5	0.16	0.07	0.14
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG23	5	0.16	0.07	0.14
(1,1267)	1:423:A:ILE:HB	1:433:A:SER:HA	5	0.16	0.04	0.17
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB1	5	0.16	0.07	0.14
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB2	5	0.16	0.07	0.14
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB3	5	0.16	0.07	0.14
(1,1023)	1:377:A:GLN:H	1:378:A:GLN:HB2	5	0.16	0.03	0.14
(1,2507)	1:361:A:VAL:HG11	1:363:A:LYS:HE2	5	0.14	0.03	0.14
(1,2507)	1:361:A:VAL:HG11	1:363:A:LYS:HE3	5	0.14	0.03	0.14
(1,2507)	1:361:A:VAL:HG12	1:363:A:LYS:HE2	5	0.14	0.03	0.14
(1,2507)	1:361:A:VAL:HG12	1:363:A:LYS:HE3	5	0.14	0.03	0.14
(1,2507)	1:361:A:VAL:HG13	1:363:A:LYS:HE2	5	0.14	0.03	0.14
(1,2507)	1:361:A:VAL:HG13	1:363:A:LYS:HE3	5	0.14	0.03	0.14
(1,2507)	1:361:A:VAL:HG21	1:363:A:LYS:HE2	5	0.14	0.03	0.14
(1,2507)	1:361:A:VAL:HG21	1:363:A:LYS:HE3	5	0.14	0.03	0.14
(1,2507)	1:361:A:VAL:HG22	1:363:A:LYS:HE2	5	0.14	0.03	0.14
(1,2507)	1:361:A:VAL:HG22	1:363:A:LYS:HE3	5	0.14	0.03	0.14
(1,2507)	1:361:A:VAL:HG23	1:363:A:LYS:HE2	5	0.14	0.03	0.14
(1,2507)	1:361:A:VAL:HG23	1:363:A:LYS:HE3	5	0.14	0.03	0.14
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD11	5	0.14	0.03	0.13
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD12	5	0.14	0.03	0.13
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD13	5	0.14	0.03	0.13
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD21	5	0.14	0.03	0.13
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD22	5	0.14	0.03	0.13
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD23	5	0.14	0.03	0.13
(1,716)	1:423:A:ILE:H	1:435:A:GLN:H	5	0.13	0.03	0.13
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD11	5	0.13	0.01	0.13
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD12	5	0.13	0.01	0.13
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD13	5	0.13	0.01	0.13
(1,1266)	1:433:A:SER:HA	1:434:A:ILE:HG13	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD11	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD12	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD13	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD11	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD12	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD13	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD11	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD12	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD13	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD11	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD12	5	0.12	0.01	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD13	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD11	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD12	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD13	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD11	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD12	5	0.12	0.01	0.12
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD13	5	0.12	0.01	0.12
(1,2227)	1:414:A:LYS:H	1:415:A:PRO:HD3	5	0.11	0.0	0.11
(1,2227)	1:414:A:LYS:H	1:415:A:PRO:HD2	5	0.11	0.0	0.11
(1,129)	1:430:A:GLU:H	1:431:A:THR:H	5	0.11	0.01	0.11
(1,2514)	1:361:A:VAL:HG11	1:380:A:PRO:HG2	4	0.62	0.48	0.54
(1,2514)	1:361:A:VAL:HG12	1:380:A:PRO:HG2	4	0.62	0.48	0.54
(1,2514)	1:361:A:VAL:HG13	1:380:A:PRO:HG2	4	0.62	0.48	0.54
(1,2514)	1:361:A:VAL:HG21	1:380:A:PRO:HG2	4	0.62	0.48	0.54
(1,2514)	1:361:A:VAL:HG22	1:380:A:PRO:HG2	4	0.62	0.48	0.54
(1,2514)	1:361:A:VAL:HG23	1:380:A:PRO:HG2	4	0.62	0.48	0.54
(1,1143)	1:416:A:ASP:H	1:435:A:GLN:HE21	4	0.6	0.2	0.55
(1,2594)	1:370:A:HIS:HB2	1:456:A:LEU:HA	4	0.55	0.17	0.6
(1,2594)	1:370:A:HIS:HB3	1:456:A:LEU:HA	4	0.55	0.17	0.6
(1,1151)	1:400:A:VAL:HB	1:410:A:PHE:HA	4	0.53	0.07	0.55
(1,3143)	1:460:A:ASN:HB2	1:461:A:LEU:HA	4	0.53	0.04	0.54
(1,3143)	1:460:A:ASN:HB3	1:461:A:LEU:HA	4	0.53	0.04	0.54
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD21	4	0.42	0.12	0.42
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD22	4	0.42	0.12	0.42
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD23	4	0.42	0.12	0.42
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD21	4	0.42	0.12	0.42
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD22	4	0.42	0.12	0.42
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD23	4	0.42	0.12	0.42
(1,1663)	1:407:A:LYS:HA	1:427:A:PHE:HE1	4	0.37	0.14	0.36
(1,1319)	1:372:A:ASP:HA	1:374:A:LYS:HE2	4	0.36	0.14	0.42
(1,1319)	1:372:A:ASP:HA	1:374:A:LYS:HE3	4	0.36	0.14	0.42
(1,2198)	1:405:A:GLU:HA	1:407:A:LYS:HD2	4	0.36	0.14	0.37
(1,371)	1:463:A:SER:HB2	1:464:A:SER:H	4	0.34	0.01	0.34
(1,3093)	1:450:A:GLU:HA	1:453:A:CYS:HB2	4	0.33	0.04	0.31
(1,3093)	1:450:A:GLU:HA	1:453:A:CYS:HB3	4	0.33	0.04	0.31
(1,587)	1:421:A:GLU:H	1:439:A:VAL:H	4	0.32	0.15	0.29
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD11	4	0.3	0.02	0.3
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD12	4	0.3	0.02	0.3
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD13	4	0.3	0.02	0.3
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD21	4	0.3	0.06	0.32
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD22	4	0.3	0.06	0.32
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD23	4	0.3	0.06	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1244)	1:389:A:ASN:HA	1:421:A:GLU:HG2	4	0.28	0.09	0.32
(1,1970)	1:395:A:ILE:HA	1:462:A:LEU:HG	4	0.27	0.15	0.22
(1,2404)	1:354:A:MET:HA	1:440:A:ASN:HB2	4	0.27	0.14	0.24
(1,2404)	1:354:A:MET:HA	1:440:A:ASN:HB3	4	0.27	0.14	0.24
(1,1044)	1:386:A:GLY:HA3	1:391:A:VAL:H	4	0.27	0.03	0.27
(1,2567)	1:366:A:ASN:HB2	1:368:A:GLY:H	4	0.26	0.11	0.21
(1,2567)	1:366:A:ASN:HB3	1:368:A:GLY:H	4	0.26	0.11	0.21
(1,180)	1:399:A:CYS:HA	1:402:A:CYS:H	4	0.25	0.08	0.24
(1,1196)	1:366:A:ASN:H	1:461:A:LEU:HA	4	0.24	0.1	0.22
(1,934)	1:466:A:PRO:HG2	1:467:A:PHE:H	4	0.24	0.05	0.23
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD11	4	0.22	0.06	0.22
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD12	4	0.22	0.06	0.22
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD13	4	0.22	0.06	0.22
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD21	4	0.22	0.06	0.22
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD22	4	0.22	0.06	0.22
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD23	4	0.22	0.06	0.22
(1,2216)	1:448:A:PHE:HA	1:451:A:ASN:HB2	4	0.22	0.12	0.17
(1,2216)	1:448:A:PHE:HA	1:451:A:ASN:HB3	4	0.22	0.12	0.17
(1,2307)	1:359:A:VAL:HG21	1:464:A:SER:HA	4	0.21	0.08	0.2
(1,2307)	1:359:A:VAL:HG22	1:464:A:SER:HA	4	0.21	0.08	0.2
(1,2307)	1:359:A:VAL:HG23	1:464:A:SER:HA	4	0.21	0.08	0.2
(1,1646)	1:363:A:LYS:HA	1:365:A:GLY:H	4	0.21	0.05	0.22
(1,614)	1:444:A:PHE:H	1:446:A:LEU:H	4	0.21	0.04	0.22
(1,2832)	1:400:A:VAL:HG11	1:406:A:THR:H	4	0.2	0.06	0.21
(1,2832)	1:400:A:VAL:HG12	1:406:A:THR:H	4	0.2	0.06	0.21
(1,2832)	1:400:A:VAL:HG13	1:406:A:THR:H	4	0.2	0.06	0.21
(1,2832)	1:400:A:VAL:HG21	1:406:A:THR:H	4	0.2	0.06	0.21
(1,2832)	1:400:A:VAL:HG22	1:406:A:THR:H	4	0.2	0.06	0.21
(1,2832)	1:400:A:VAL:HG23	1:406:A:THR:H	4	0.2	0.06	0.21
(1,2926)	1:414:A:LYS:HG2	1:415:A:PRO:HD2	4	0.2	0.06	0.21
(1,2926)	1:414:A:LYS:HG3	1:415:A:PRO:HD2	4	0.2	0.06	0.21
(1,2926)	1:414:A:LYS:HG2	1:415:A:PRO:HD3	4	0.2	0.06	0.21
(1,2926)	1:414:A:LYS:HG3	1:415:A:PRO:HD3	4	0.2	0.06	0.21
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG21	4	0.2	0.07	0.19
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG22	4	0.2	0.07	0.19
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG23	4	0.2	0.07	0.19
(1,669)	1:416:A:ASP:H	1:435:A:GLN:HA	4	0.2	0.08	0.18
(1,1047)	1:388:A:VAL:HA	1:445:A:ALA:H	4	0.2	0.05	0.19
(1,1006)	1:457:A:GLN:HA	1:457:A:GLN:HE21	4	0.2	0.06	0.18
(1,1006)	1:457:A:GLN:HA	1:457:A:GLN:HE22	4	0.2	0.06	0.18
(1,2079)	1:358:A:CYS:HA	1:385:A:PRO:HB3	4	0.19	0.05	0.21
(1,1137)	1:464:A:SER:HA	1:465:A:GLN:HE21	4	0.19	0.05	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1137)	1:464:A:SER:HA	1:465:A:GLN:HE22	4	0.19	0.05	0.18
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD11	4	0.18	0.08	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD12	4	0.18	0.08	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD13	4	0.18	0.08	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD21	4	0.18	0.08	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD22	4	0.18	0.08	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD23	4	0.18	0.08	0.16
(1,189)	1:364:A:HIS:H	1:461:A:LEU:HA	4	0.18	0.03	0.18
(1,2883)	1:409:A:VAL:HG11	1:410:A:PHE:HA	4	0.18	0.07	0.16
(1,2883)	1:409:A:VAL:HG12	1:410:A:PHE:HA	4	0.18	0.07	0.16
(1,2883)	1:409:A:VAL:HG13	1:410:A:PHE:HA	4	0.18	0.07	0.16
(1,2883)	1:409:A:VAL:HG21	1:410:A:PHE:HA	4	0.18	0.07	0.16
(1,2883)	1:409:A:VAL:HG22	1:410:A:PHE:HA	4	0.18	0.07	0.16
(1,2883)	1:409:A:VAL:HG23	1:410:A:PHE:HA	4	0.18	0.07	0.16
(1,705)	1:425:A:ALA:HB1	1:432:A:HIS:H	4	0.17	0.06	0.15
(1,705)	1:425:A:ALA:HB2	1:432:A:HIS:H	4	0.17	0.06	0.15
(1,705)	1:425:A:ALA:HB3	1:432:A:HIS:H	4	0.17	0.06	0.15
(1,965)	1:360:A:TYR:H	1:382:A:HIS:HA	4	0.17	0.05	0.17
(1,1104)	1:432:A:HIS:H	1:433:A:SER:HA	4	0.17	0.06	0.14
(1,752)	1:371:A:LEU:HD21	1:403:A:ALA:H	4	0.16	0.04	0.16
(1,752)	1:371:A:LEU:HD22	1:403:A:ALA:H	4	0.16	0.04	0.16
(1,752)	1:371:A:LEU:HD23	1:403:A:ALA:H	4	0.16	0.04	0.16
(1,2456)	1:359:A:VAL:HA	1:463:A:SER:HB2	4	0.16	0.05	0.16
(1,2456)	1:359:A:VAL:HA	1:463:A:SER:HB3	4	0.16	0.05	0.16
(1,1818)	1:451:A:ASN:HA	1:454:A:HIS:H	4	0.16	0.04	0.16
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD11	4	0.16	0.03	0.16
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD12	4	0.16	0.03	0.16
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD13	4	0.16	0.03	0.16
(1,3100)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	4	0.16	0.02	0.16
(1,3100)	1:451:A:ASN:HD21	1:454:A:HIS:HB3	4	0.16	0.02	0.16
(1,3100)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	4	0.16	0.02	0.16
(1,3100)	1:451:A:ASN:HD22	1:454:A:HIS:HB3	4	0.16	0.02	0.16
(1,943)	1:400:A:VAL:H	1:403:A:ALA:H	4	0.15	0.02	0.16
(1,2236)	1:400:A:VAL:HA	1:403:A:ALA:HA	4	0.15	0.06	0.13
(1,280)	1:407:A:LYS:H	1:408:A:THR:HB	4	0.15	0.03	0.16
(1,1082)	1:407:A:LYS:HE2	1:408:A:THR:H	4	0.14	0.02	0.14
(1,2915)	1:414:A:LYS:H	1:414:A:LYS:HB2	4	0.14	0.03	0.14
(1,2915)	1:414:A:LYS:H	1:414:A:LYS:HB3	4	0.14	0.03	0.14
(1,924)	1:407:A:LYS:HE3	1:408:A:THR:H	4	0.14	0.02	0.14
(1,1736)	1:460:A:ASN:HA	1:461:A:LEU:HB2	4	0.14	0.03	0.12
(1,3137)	1:459:A:ASP:HB2	1:460:A:ASN:H	4	0.14	0.02	0.14
(1,3137)	1:459:A:ASP:HB3	1:460:A:ASN:H	4	0.14	0.02	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1065)	1:392:A:LEU:H	1:394:A:ARG:H	4	0.14	0.03	0.14
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD11	4	0.14	0.02	0.13
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD12	4	0.14	0.02	0.13
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD13	4	0.14	0.02	0.13
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD21	4	0.14	0.02	0.13
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD22	4	0.14	0.02	0.13
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD23	4	0.14	0.02	0.13
(1,406)	1:434:A:ILE:H	1:435:A:GLN:HA	4	0.13	0.02	0.12
(1,1163)	1:368:A:GLY:HA2	1:369:A:PRO:HG2	4	0.13	0.03	0.12
(1,1163)	1:368:A:GLY:HA3	1:369:A:PRO:HG2	4	0.13	0.03	0.12
(1,2551)	1:363:A:LYS:HE2	1:379:A:LEU:H	4	0.13	0.01	0.12
(1,2551)	1:363:A:LYS:HE3	1:379:A:LEU:H	4	0.13	0.01	0.12
(1,407)	1:423:A:ILE:HA	1:434:A:ILE:H	4	0.12	0.02	0.12
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG21	4	0.12	0.01	0.13
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG22	4	0.12	0.01	0.13
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG23	4	0.12	0.01	0.13
(1,637)	1:425:A:ALA:H	1:433:A:SER:H	4	0.12	0.01	0.12
(1,711)	1:423:A:ILE:H	1:423:A:ILE:HG13	4	0.12	0.01	0.12
(1,1688)	1:391:A:VAL:HB	1:392:A:LEU:HA	4	0.1	0.0	0.1
(1,1725)	1:466:A:PRO:HA	1:467:A:PHE:HD1	3	0.97	0.2	0.92
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD11	3	0.85	0.27	0.96
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD12	3	0.85	0.27	0.96
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD13	3	0.85	0.27	0.96
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD21	3	0.85	0.27	0.96
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD22	3	0.85	0.27	0.96
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD23	3	0.85	0.27	0.96
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD11	3	0.85	0.27	0.96
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD12	3	0.85	0.27	0.96
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD13	3	0.85	0.27	0.96
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD21	3	0.85	0.27	0.96
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD22	3	0.85	0.27	0.96
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD23	3	0.85	0.27	0.96
(1,2136)	1:447:A:ARG:HD2	1:448:A:PHE:HB2	3	0.53	0.32	0.4
(1,2136)	1:447:A:ARG:HD3	1:448:A:PHE:HB2	3	0.53	0.32	0.4
(1,2755)	1:393:A:ARG:HD2	1:421:A:GLU:H	3	0.49	0.02	0.48
(1,2755)	1:393:A:ARG:HD3	1:421:A:GLU:H	3	0.49	0.02	0.48
(1,838)	1:355:A:SER:HB2	1:441:A:SER:H	3	0.38	0.14	0.36
(1,838)	1:355:A:SER:HB3	1:441:A:SER:H	3	0.38	0.14	0.36
(1,2570)	1:366:A:ASN:HB2	1:460:A:ASN:HB2	3	0.38	0.15	0.37
(1,2570)	1:366:A:ASN:HB2	1:460:A:ASN:HB3	3	0.38	0.15	0.37
(1,2570)	1:366:A:ASN:HB3	1:460:A:ASN:HB2	3	0.38	0.15	0.37
(1,2570)	1:366:A:ASN:HB3	1:460:A:ASN:HB3	3	0.38	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)
(1,1155)	1:467:A:PHE:HB2	1:467:A:PHE:HE1	3	0.36	0.02	0.37
(1,2818)	1:399:A:CYS:HA	1:402:A:CYS:HB2	3	0.35	0.04	0.34
(1,2818)	1:399:A:CYS:HA	1:402:A:CYS:HB3	3	0.35	0.04	0.34
(1,367)	1:446:A:LEU:HD21	1:464:A:SER:H	3	0.34	0.07	0.3
(1,367)	1:446:A:LEU:HD22	1:464:A:SER:H	3	0.34	0.07	0.3
(1,367)	1:446:A:LEU:HD23	1:464:A:SER:H	3	0.34	0.07	0.3
(1,367)	1:446:A:LEU:HD11	1:464:A:SER:H	3	0.34	0.07	0.3
(1,367)	1:446:A:LEU:HD12	1:464:A:SER:H	3	0.34	0.07	0.3
(1,367)	1:446:A:LEU:HD13	1:464:A:SER:H	3	0.34	0.07	0.3
(1,1732)	1:427:A:PHE:HD1	1:428:A:ASP:HA	3	0.33	0.14	0.26
(1,2559)	1:365:A:GLY:HA2	1:460:A:ASN:HB2	3	0.33	0.11	0.38
(1,2559)	1:365:A:GLY:HA2	1:460:A:ASN:HB3	3	0.33	0.11	0.38
(1,1567)	1:355:A:SER:HB2	1:440:A:ASN:HA	3	0.32	0.24	0.17
(1,1567)	1:355:A:SER:HB3	1:440:A:ASN:HA	3	0.32	0.24	0.17
(1,1791)	1:406:A:THR:HA	1:407:A:LYS:HG2	3	0.3	0.05	0.3
(1,1438)	1:354:A:MET:HB2	1:440:A:ASN:H	3	0.29	0.11	0.23
(1,1438)	1:354:A:MET:HB3	1:440:A:ASN:H	3	0.29	0.11	0.23
(1,1138)	1:358:A:CYS:H	1:464:A:SER:HB2	3	0.29	0.19	0.18
(1,1030)	1:366:A:ASN:HD21	1:369:A:PRO:HA	3	0.26	0.07	0.28
(1,1030)	1:366:A:ASN:HD22	1:369:A:PRO:HA	3	0.26	0.07	0.28
(1,1056)	1:393:A:ARG:HB3	1:397:A:GLN:HE21	3	0.25	0.13	0.22
(1,1056)	1:393:A:ARG:HB3	1:397:A:GLN:HE22	3	0.25	0.13	0.22
(1,2340)	1:396:A:VAL:HG21	1:452:A:PHE:HA	3	0.24	0.1	0.22
(1,2340)	1:396:A:VAL:HG22	1:452:A:PHE:HA	3	0.24	0.1	0.22
(1,2340)	1:396:A:VAL:HG23	1:452:A:PHE:HA	3	0.24	0.1	0.22
(1,2461)	1:359:A:VAL:HG11	1:360:A:TYR:HA	3	0.24	0.14	0.19
(1,2461)	1:359:A:VAL:HG12	1:360:A:TYR:HA	3	0.24	0.14	0.19
(1,2461)	1:359:A:VAL:HG13	1:360:A:TYR:HA	3	0.24	0.14	0.19
(1,2461)	1:359:A:VAL:HG21	1:360:A:TYR:HA	3	0.24	0.14	0.19
(1,2461)	1:359:A:VAL:HG22	1:360:A:TYR:HA	3	0.24	0.14	0.19
(1,2461)	1:359:A:VAL:HG23	1:360:A:TYR:HA	3	0.24	0.14	0.19
(1,2377)	1:376:A:ILE:HD11	1:377:A:GLN:HE21	3	0.23	0.05	0.23
(1,2377)	1:376:A:ILE:HD11	1:377:A:GLN:HE22	3	0.23	0.05	0.23
(1,2377)	1:376:A:ILE:HD12	1:377:A:GLN:HE21	3	0.23	0.05	0.23
(1,2377)	1:376:A:ILE:HD12	1:377:A:GLN:HE22	3	0.23	0.05	0.23
(1,2377)	1:376:A:ILE:HD13	1:377:A:GLN:HE21	3	0.23	0.05	0.23
(1,2377)	1:376:A:ILE:HD13	1:377:A:GLN:HE22	3	0.23	0.05	0.23
(1,3170)	1:465:A:GLN:H	1:465:A:GLN:HB2	3	0.23	0.03	0.23
(1,3170)	1:465:A:GLN:H	1:465:A:GLN:HB3	3	0.23	0.03	0.23
(1,913)	1:374:A:LYS:H	1:376:A:ILE:HG12	3	0.22	0.01	0.22
(1,713)	1:397:A:GLN:HB3	1:423:A:ILE:H	3	0.22	0.08	0.24
(1,2137)	1:444:A:PHE:HA	1:447:A:ARG:HD2	3	0.21	0.07	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2137)	1:444:A:PHE:HA	1:447:A:ARG:HD3	3	0.21	0.07	0.23
(1,902)	1:451:A:ASN:HD21	1:452:A:PHE:HB2	3	0.21	0.14	0.12
(1,902)	1:451:A:ASN:HD22	1:452:A:PHE:HB2	3	0.21	0.14	0.12
(1,2043)	1:450:A:GLU:H	1:450:A:GLU:HG2	3	0.21	0.04	0.2
(1,445)	1:372:A:ASP:H	1:376:A:ILE:HD11	3	0.21	0.04	0.18
(1,445)	1:372:A:ASP:H	1:376:A:ILE:HD12	3	0.21	0.04	0.18
(1,445)	1:372:A:ASP:H	1:376:A:ILE:HD13	3	0.21	0.04	0.18
(1,3163)	1:463:A:SER:HA	1:464:A:SER:HB2	3	0.21	0.05	0.23
(1,3163)	1:463:A:SER:HA	1:464:A:SER:HB3	3	0.21	0.05	0.23
(1,1020)	1:361:A:VAL:HA	1:363:A:LYS:H	3	0.2	0.07	0.16
(1,1431)	1:426:A:SER:HA	1:431:A:THR:HG21	3	0.2	0.03	0.18
(1,1431)	1:426:A:SER:HA	1:431:A:THR:HG22	3	0.2	0.03	0.18
(1,1431)	1:426:A:SER:HA	1:431:A:THR:HG23	3	0.2	0.03	0.18
(1,1902)	1:400:A:VAL:HG21	1:410:A:PHE:H	3	0.2	0.05	0.22
(1,1902)	1:400:A:VAL:HG22	1:410:A:PHE:H	3	0.2	0.05	0.22
(1,1902)	1:400:A:VAL:HG23	1:410:A:PHE:H	3	0.2	0.05	0.22
(1,1935)	1:371:A:LEU:HD21	1:376:A:ILE:HD11	3	0.2	0.06	0.17
(1,1935)	1:371:A:LEU:HD21	1:376:A:ILE:HD12	3	0.2	0.06	0.17
(1,1935)	1:371:A:LEU:HD21	1:376:A:ILE:HD13	3	0.2	0.06	0.17
(1,1935)	1:371:A:LEU:HD22	1:376:A:ILE:HD11	3	0.2	0.06	0.17
(1,1935)	1:371:A:LEU:HD22	1:376:A:ILE:HD12	3	0.2	0.06	0.17
(1,1935)	1:371:A:LEU:HD22	1:376:A:ILE:HD13	3	0.2	0.06	0.17
(1,1935)	1:371:A:LEU:HD23	1:376:A:ILE:HD11	3	0.2	0.06	0.17
(1,1935)	1:371:A:LEU:HD23	1:376:A:ILE:HD12	3	0.2	0.06	0.17
(1,1935)	1:371:A:LEU:HD23	1:376:A:ILE:HD13	3	0.2	0.06	0.17
(1,3048)	1:443:A:SER:HB2	1:444:A:PHE:HA	3	0.2	0.04	0.17
(1,3048)	1:443:A:SER:HB3	1:444:A:PHE:HA	3	0.2	0.04	0.17
(1,59)	1:358:A:CYS:HA	1:384:A:GLY:H	3	0.19	0.07	0.15
(1,274)	1:446:A:LEU:H	1:448:A:PHE:HB2	3	0.18	0.05	0.19
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD11	3	0.18	0.07	0.17
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD12	3	0.18	0.07	0.17
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD13	3	0.18	0.07	0.17
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD21	3	0.18	0.07	0.17
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD22	3	0.18	0.07	0.17
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD23	3	0.18	0.07	0.17
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD11	3	0.18	0.07	0.17
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD12	3	0.18	0.07	0.17
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD13	3	0.18	0.07	0.17
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD21	3	0.18	0.07	0.17
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD22	3	0.18	0.07	0.17
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD23	3	0.18	0.07	0.17
(1,550)	1:451:A:ASN:HD21	1:454:A:HIS:H	3	0.18	0.04	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,550)	1:451:A:ASN:HD22	1:454:A:HIS:H	3	0.18	0.04	0.16
(1,2940)	1:417:A:ASN:HB2	1:418:A:ARG:HA	3	0.18	0.04	0.17
(1,2940)	1:417:A:ASN:HB3	1:418:A:ARG:HA	3	0.18	0.04	0.17
(1,536)	1:427:A:PHE:H	1:431:A:THR:HA	3	0.18	0.02	0.17
(1,546)	1:387:A:PRO:HD2	1:391:A:VAL:H	3	0.18	0.05	0.21
(1,2506)	1:361:A:VAL:HG11	1:363:A:LYS:HD2	3	0.18	0.06	0.17
(1,2506)	1:361:A:VAL:HG11	1:363:A:LYS:HD3	3	0.18	0.06	0.17
(1,2506)	1:361:A:VAL:HG12	1:363:A:LYS:HD2	3	0.18	0.06	0.17
(1,2506)	1:361:A:VAL:HG12	1:363:A:LYS:HD3	3	0.18	0.06	0.17
(1,2506)	1:361:A:VAL:HG13	1:363:A:LYS:HD2	3	0.18	0.06	0.17
(1,2506)	1:361:A:VAL:HG13	1:363:A:LYS:HD3	3	0.18	0.06	0.17
(1,2506)	1:361:A:VAL:HG21	1:363:A:LYS:HD2	3	0.18	0.06	0.17
(1,2506)	1:361:A:VAL:HG21	1:363:A:LYS:HD3	3	0.18	0.06	0.17
(1,2506)	1:361:A:VAL:HG22	1:363:A:LYS:HD2	3	0.18	0.06	0.17
(1,2506)	1:361:A:VAL:HG22	1:363:A:LYS:HD3	3	0.18	0.06	0.17
(1,2506)	1:361:A:VAL:HG23	1:363:A:LYS:HD2	3	0.18	0.06	0.17
(1,2506)	1:361:A:VAL:HG23	1:363:A:LYS:HD3	3	0.18	0.06	0.17
(1,1997)	1:395:A:ILE:HG21	1:398:A:ALA:HB1	3	0.17	0.03	0.16
(1,1997)	1:395:A:ILE:HG21	1:398:A:ALA:HB2	3	0.17	0.03	0.16
(1,1997)	1:395:A:ILE:HG21	1:398:A:ALA:HB3	3	0.17	0.03	0.16
(1,1997)	1:395:A:ILE:HG22	1:398:A:ALA:HB1	3	0.17	0.03	0.16
(1,1997)	1:395:A:ILE:HG22	1:398:A:ALA:HB2	3	0.17	0.03	0.16
(1,1997)	1:395:A:ILE:HG22	1:398:A:ALA:HB3	3	0.17	0.03	0.16
(1,1997)	1:395:A:ILE:HG23	1:398:A:ALA:HB1	3	0.17	0.03	0.16
(1,1997)	1:395:A:ILE:HG23	1:398:A:ALA:HB2	3	0.17	0.03	0.16
(1,1997)	1:395:A:ILE:HG23	1:398:A:ALA:HB3	3	0.17	0.03	0.16
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG11	3	0.17	0.02	0.18
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG12	3	0.17	0.02	0.18
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG13	3	0.17	0.02	0.18
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG21	3	0.17	0.02	0.18
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG22	3	0.17	0.02	0.18
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG23	3	0.17	0.02	0.18
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG11	3	0.17	0.03	0.16
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG12	3	0.17	0.03	0.16
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG13	3	0.17	0.03	0.16
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG21	3	0.17	0.03	0.16
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG22	3	0.17	0.03	0.16
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG23	3	0.17	0.03	0.16
(1,128)	1:426:A:SER:HA	1:431:A:THR:H	3	0.16	0.02	0.15
(1,1302)	1:438:A:PRO:HG2	1:439:A:VAL:HA	3	0.16	0.03	0.18
(1,2211)	1:418:A:ARG:HA	1:435:A:GLN:HE21	3	0.16	0.04	0.14
(1,2601)	1:371:A:LEU:HA	1:402:A:CYS:HB2	3	0.16	0.03	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2601)	1:371:A:LEU:HA	1:402:A:CYS:HB3	3	0.16	0.03	0.17
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD11	3	0.15	0.03	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD12	3	0.15	0.03	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD13	3	0.15	0.03	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD21	3	0.15	0.03	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD22	3	0.15	0.03	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD23	3	0.15	0.03	0.13
(1,60)	1:384:A:GLY:H	1:386:A:GLY:H	3	0.15	0.03	0.16
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG11	3	0.15	0.03	0.15
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG12	3	0.15	0.03	0.15
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG13	3	0.15	0.03	0.15
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG21	3	0.15	0.03	0.15
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG22	3	0.15	0.03	0.15
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG23	3	0.15	0.03	0.15
(1,452)	1:445:A:ALA:HB1	1:448:A:PHE:H	3	0.15	0.02	0.16
(1,452)	1:445:A:ALA:HB2	1:448:A:PHE:H	3	0.15	0.02	0.16
(1,452)	1:445:A:ALA:HB3	1:448:A:PHE:H	3	0.15	0.02	0.16
(1,2333)	1:372:A:ASP:H	1:402:A:CYS:HA	3	0.15	0.03	0.16
(1,285)	1:406:A:THR:HG21	1:407:A:LYS:H	3	0.14	0.02	0.14
(1,285)	1:406:A:THR:HG22	1:407:A:LYS:H	3	0.14	0.02	0.14
(1,285)	1:406:A:THR:HG23	1:407:A:LYS:H	3	0.14	0.02	0.14
(1,1424)	1:430:A:GLU:HG2	1:431:A:THR:H	3	0.14	0.04	0.12
(1,1424)	1:430:A:GLU:HG3	1:431:A:THR:H	3	0.14	0.04	0.12
(1,316)	1:395:A:ILE:HB	1:397:A:GLN:H	3	0.13	0.02	0.12
(1,2144)	1:444:A:PHE:HA	1:444:A:PHE:HD1	3	0.13	0.02	0.12
(1,1878)	1:465:A:GLN:H	1:466:A:PRO:HD2	3	0.13	0.02	0.12
(1,2517)	1:361:A:VAL:HG11	1:382:A:HIS:H	3	0.13	0.03	0.11
(1,2517)	1:361:A:VAL:HG12	1:382:A:HIS:H	3	0.13	0.03	0.11
(1,2517)	1:361:A:VAL:HG13	1:382:A:HIS:H	3	0.13	0.03	0.11
(1,2517)	1:361:A:VAL:HG21	1:382:A:HIS:H	3	0.13	0.03	0.11
(1,2517)	1:361:A:VAL:HG22	1:382:A:HIS:H	3	0.13	0.03	0.11
(1,2517)	1:361:A:VAL:HG23	1:382:A:HIS:H	3	0.13	0.03	0.11
(1,3090)	1:450:A:GLU:H	1:453:A:CYS:HB2	3	0.13	0.02	0.12
(1,3090)	1:450:A:GLU:H	1:453:A:CYS:HB3	3	0.13	0.02	0.12
(1,853)	1:390:A:VAL:H	1:393:A:ARG:H	3	0.12	0.02	0.11
(1,211)	1:375:A:ARG:H	1:376:A:ILE:HG12	3	0.12	0.0	0.12
(1,674)	1:416:A:ASP:H	1:434:A:ILE:HD11	3	0.12	0.02	0.11
(1,674)	1:416:A:ASP:H	1:434:A:ILE:HD12	3	0.12	0.02	0.11
(1,674)	1:416:A:ASP:H	1:434:A:ILE:HD13	3	0.12	0.02	0.11
(1,1463)	1:434:A:ILE:HG21	1:435:A:GLN:HA	3	0.12	0.01	0.11
(1,1463)	1:434:A:ILE:HG22	1:435:A:GLN:HA	3	0.12	0.01	0.11
(1,1463)	1:434:A:ILE:HG23	1:435:A:GLN:HA	3	0.12	0.01	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2082)	1:453:A:CYS:H	1:454:A:HIS:HA	3	0.12	0.01	0.12
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD11	3	0.12	0.01	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD12	3	0.12	0.01	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD13	3	0.12	0.01	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD21	3	0.12	0.01	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD22	3	0.12	0.01	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD23	3	0.12	0.01	0.11
(1,2127)	1:438:A:PRO:HG2	1:439:A:VAL:H	3	0.11	0.01	0.11
(1,2127)	1:438:A:PRO:HG3	1:439:A:VAL:H	3	0.11	0.01	0.11
(1,1481)	1:414:A:LYS:HA	1:415:A:PRO:HB3	3	0.11	0.01	0.11
(1,1570)	1:379:A:LEU:HD11	1:380:A:PRO:HA	2	0.71	0.0	0.71
(1,1570)	1:379:A:LEU:HD12	1:380:A:PRO:HA	2	0.71	0.0	0.71
(1,1570)	1:379:A:LEU:HD13	1:380:A:PRO:HA	2	0.71	0.0	0.71
(1,1701)	1:374:A:LYS:HA	1:374:A:LYS:HE2	2	0.63	0.0	0.63
(1,1701)	1:374:A:LYS:HA	1:374:A:LYS:HE3	2	0.63	0.0	0.63
(1,337)	1:459:A:ASP:H	1:460:A:ASN:HD21	2	0.62	0.07	0.62
(1,337)	1:459:A:ASP:H	1:460:A:ASN:HD22	2	0.62	0.07	0.62
(1,1525)	1:378:A:GLN:H	1:379:A:LEU:HB3	2	0.57	0.04	0.57
(1,2355)	1:376:A:ILE:HB	1:379:A:LEU:HD21	2	0.55	0.01	0.55
(1,2355)	1:376:A:ILE:HB	1:379:A:LEU:HD22	2	0.55	0.01	0.55
(1,2355)	1:376:A:ILE:HB	1:379:A:LEU:HD23	2	0.55	0.01	0.55
(1,3131)	1:458:A:CYS:H	1:459:A:ASP:HB2	2	0.52	0.26	0.52
(1,3131)	1:458:A:CYS:H	1:459:A:ASP:HB3	2	0.52	0.26	0.52
(1,1224)	1:371:A:LEU:HD21	1:456:A:LEU:HD21	2	0.51	0.04	0.51
(1,1224)	1:371:A:LEU:HD21	1:456:A:LEU:HD22	2	0.51	0.04	0.51
(1,1224)	1:371:A:LEU:HD21	1:456:A:LEU:HD23	2	0.51	0.04	0.51
(1,1224)	1:371:A:LEU:HD22	1:456:A:LEU:HD21	2	0.51	0.04	0.51
(1,1224)	1:371:A:LEU:HD22	1:456:A:LEU:HD22	2	0.51	0.04	0.51
(1,1224)	1:371:A:LEU:HD22	1:456:A:LEU:HD23	2	0.51	0.04	0.51
(1,1224)	1:371:A:LEU:HD23	1:456:A:LEU:HD21	2	0.51	0.04	0.51
(1,1224)	1:371:A:LEU:HD23	1:456:A:LEU:HD22	2	0.51	0.04	0.51
(1,1224)	1:371:A:LEU:HD23	1:456:A:LEU:HD23	2	0.51	0.04	0.51
(1,1932)	1:371:A:LEU:HD21	1:404:A:LEU:HG	2	0.5	0.39	0.5
(1,1932)	1:371:A:LEU:HD22	1:404:A:LEU:HG	2	0.5	0.39	0.5
(1,1932)	1:371:A:LEU:HD23	1:404:A:LEU:HG	2	0.5	0.39	0.5
(1,2925)	1:414:A:LYS:HG2	1:415:A:PRO:HA	2	0.5	0.25	0.5
(1,2925)	1:414:A:LYS:HG3	1:415:A:PRO:HA	2	0.5	0.25	0.5
(1,870)	1:371:A:LEU:H	1:456:A:LEU:HB3	2	0.49	0.07	0.49
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD11	2	0.45	0.11	0.45
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD12	2	0.45	0.11	0.45
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD13	2	0.45	0.11	0.45
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD21	2	0.45	0.11	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD22	2	0.45	0.11	0.45
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD23	2	0.45	0.11	0.45
(1,2564)	1:366:A:ASN:H	1:460:A:ASN:HB2	2	0.44	0.08	0.44
(1,2564)	1:366:A:ASN:H	1:460:A:ASN:HB3	2	0.44	0.08	0.44
(1,2385)	1:376:A:ILE:HG21	1:379:A:LEU:HD21	2	0.38	0.04	0.38
(1,2385)	1:376:A:ILE:HG21	1:379:A:LEU:HD22	2	0.38	0.04	0.38
(1,2385)	1:376:A:ILE:HG21	1:379:A:LEU:HD23	2	0.38	0.04	0.38
(1,2385)	1:376:A:ILE:HG22	1:379:A:LEU:HD21	2	0.38	0.04	0.38
(1,2385)	1:376:A:ILE:HG22	1:379:A:LEU:HD22	2	0.38	0.04	0.38
(1,2385)	1:376:A:ILE:HG22	1:379:A:LEU:HD23	2	0.38	0.04	0.38
(1,2385)	1:376:A:ILE:HG23	1:379:A:LEU:HD21	2	0.38	0.04	0.38
(1,2385)	1:376:A:ILE:HG23	1:379:A:LEU:HD22	2	0.38	0.04	0.38
(1,2385)	1:376:A:ILE:HG23	1:379:A:LEU:HD23	2	0.38	0.04	0.38
(1,357)	1:434:A:ILE:HG13	1:435:A:GLN:H	2	0.37	0.27	0.37
(1,1871)	1:354:A:MET:HG2	1:440:A:ASN:HA	2	0.36	0.13	0.36
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG11	2	0.36	0.12	0.36
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG12	2	0.36	0.12	0.36
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG13	2	0.36	0.12	0.36
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG21	2	0.36	0.12	0.36
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG22	2	0.36	0.12	0.36
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG23	2	0.36	0.12	0.36
(1,776)	1:378:A:GLN:HB2	1:379:A:LEU:H	2	0.35	0.02	0.35
(1,1226)	1:371:A:LEU:HG	1:456:A:LEU:HD21	2	0.33	0.04	0.33
(1,1226)	1:371:A:LEU:HG	1:456:A:LEU:HD22	2	0.33	0.04	0.33
(1,1226)	1:371:A:LEU:HG	1:456:A:LEU:HD23	2	0.33	0.04	0.33
(1,1418)	1:427:A:PHE:HD1	1:428:A:ASP:HB2	2	0.32	0.12	0.32
(1,2041)	1:389:A:ASN:HA	1:421:A:GLU:HG3	2	0.32	0.12	0.32
(1,2296)	1:359:A:VAL:HA	1:464:A:SER:HB3	2	0.32	0.1	0.32
(1,1120)	1:446:A:LEU:HD21	1:465:A:GLN:HE21	2	0.3	0.08	0.3
(1,1120)	1:446:A:LEU:HD21	1:465:A:GLN:HE22	2	0.3	0.08	0.3
(1,1120)	1:446:A:LEU:HD22	1:465:A:GLN:HE21	2	0.3	0.08	0.3
(1,1120)	1:446:A:LEU:HD22	1:465:A:GLN:HE22	2	0.3	0.08	0.3
(1,1120)	1:446:A:LEU:HD23	1:465:A:GLN:HE21	2	0.3	0.08	0.3
(1,1120)	1:446:A:LEU:HD23	1:465:A:GLN:HE22	2	0.3	0.08	0.3
(1,1141)	1:467:A:PHE:HD1	1:468:A:SER:H	2	0.3	0.08	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD11	2	0.3	0.0	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD12	2	0.3	0.0	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD13	2	0.3	0.0	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD21	2	0.3	0.0	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD22	2	0.3	0.0	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD23	2	0.3	0.0	0.3
(1,366)	1:466:A:PRO:HB2	1:467:A:PHE:H	2	0.3	0.05	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD11	2	0.3	0.05	0.3
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD12	2	0.3	0.05	0.3
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD13	2	0.3	0.05	0.3
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD21	2	0.3	0.05	0.3
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD22	2	0.3	0.05	0.3
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD23	2	0.3	0.05	0.3
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD11	2	0.3	0.05	0.3
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD12	2	0.3	0.05	0.3
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD13	2	0.3	0.05	0.3
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD21	2	0.3	0.05	0.3
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD22	2	0.3	0.05	0.3
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD23	2	0.3	0.05	0.3
(1,175)	1:362:A:ASN:HD21	1:366:A:ASN:H	2	0.29	0.03	0.29
(1,175)	1:362:A:ASN:HD22	1:366:A:ASN:H	2	0.29	0.03	0.29
(1,3165)	1:463:A:SER:HB2	1:465:A:GLN:HB2	2	0.29	0.05	0.29
(1,3165)	1:463:A:SER:HB2	1:465:A:GLN:HB3	2	0.29	0.05	0.29
(1,3165)	1:463:A:SER:HB3	1:465:A:GLN:HB2	2	0.29	0.05	0.29
(1,3165)	1:463:A:SER:HB3	1:465:A:GLN:HB3	2	0.29	0.05	0.29
(1,1769)	1:445:A:ALA:HA	1:446:A:LEU:HD21	2	0.28	0.03	0.28
(1,1769)	1:445:A:ALA:HA	1:446:A:LEU:HD22	2	0.28	0.03	0.28
(1,1769)	1:445:A:ALA:HA	1:446:A:LEU:HD23	2	0.28	0.03	0.28
(1,1853)	1:408:A:THR:HG21	1:409:A:VAL:HA	2	0.28	0.06	0.28
(1,1853)	1:408:A:THR:HG22	1:409:A:VAL:HA	2	0.28	0.06	0.28
(1,1853)	1:408:A:THR:HG23	1:409:A:VAL:HA	2	0.28	0.06	0.28
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD11	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD12	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD13	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD21	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD22	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD23	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD11	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD12	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD13	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD21	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD22	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD23	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD11	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD12	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD13	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD21	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD22	2	0.28	0.11	0.28
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD23	2	0.28	0.11	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,273)	1:389:A:ASN:HB2	1:421:A:GLU:H	2	0.27	0.09	0.27
(1,273)	1:389:A:ASN:HB3	1:421:A:GLU:H	2	0.27	0.09	0.27
(1,204)	1:389:A:ASN:HB2	1:393:A:ARG:H	2	0.26	0.02	0.26
(1,204)	1:389:A:ASN:HB3	1:393:A:ARG:H	2	0.26	0.02	0.26
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD11	2	0.26	0.06	0.26
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD12	2	0.26	0.06	0.26
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD13	2	0.26	0.06	0.26
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD21	2	0.26	0.06	0.26
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD22	2	0.26	0.06	0.26
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD23	2	0.26	0.06	0.26
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD11	2	0.26	0.14	0.26
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD12	2	0.26	0.14	0.26
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD13	2	0.26	0.14	0.26
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD21	2	0.26	0.14	0.26
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD22	2	0.26	0.14	0.26
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD23	2	0.26	0.14	0.26
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD11	2	0.26	0.05	0.26
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD12	2	0.26	0.05	0.26
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD13	2	0.26	0.05	0.26
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD21	2	0.26	0.05	0.26
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD22	2	0.26	0.05	0.26
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD23	2	0.26	0.05	0.26
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG11	2	0.25	0.12	0.25
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG12	2	0.25	0.12	0.25
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG13	2	0.25	0.12	0.25
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG21	2	0.25	0.12	0.25
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG22	2	0.25	0.12	0.25
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG23	2	0.25	0.12	0.25
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG11	2	0.25	0.12	0.25
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG12	2	0.25	0.12	0.25
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG13	2	0.25	0.12	0.25
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG21	2	0.25	0.12	0.25
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG22	2	0.25	0.12	0.25
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG23	2	0.25	0.12	0.25
(1,507)	1:418:A:ARG:H	1:437:A:PRO:HA	2	0.24	0.1	0.24
(1,2704)	1:390:A:VAL:HA	1:421:A:GLU:HG2	2	0.24	0.06	0.24
(1,2704)	1:390:A:VAL:HA	1:421:A:GLU:HG3	2	0.24	0.06	0.24
(1,2214)	1:417:A:ASN:HA	1:418:A:ARG:HA	2	0.24	0.02	0.24
(1,81)	1:370:A:HIS:H	1:371:A:LEU:HG	2	0.22	0.01	0.22
(1,2026)	1:397:A:GLN:HA	1:423:A:ILE:HG13	2	0.22	0.12	0.22
(1,237)	1:430:A:GLU:H	1:430:A:GLU:HG2	2	0.22	0.03	0.22
(1,237)	1:430:A:GLU:H	1:430:A:GLU:HG3	2	0.22	0.03	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1145)	1:410:A:PHE:HA	1:413:A:LEU:HD21	2	0.22	0.04	0.22
(1,1145)	1:410:A:PHE:HA	1:413:A:LEU:HD22	2	0.22	0.04	0.22
(1,1145)	1:410:A:PHE:HA	1:413:A:LEU:HD23	2	0.22	0.04	0.22
(1,1629)	1:400:A:VAL:HB	1:401:A:ASP:HA	2	0.22	0.01	0.22
(1,1919)	1:379:A:LEU:HD11	1:398:A:ALA:HB1	2	0.22	0.01	0.22
(1,1919)	1:379:A:LEU:HD11	1:398:A:ALA:HB2	2	0.22	0.01	0.22
(1,1919)	1:379:A:LEU:HD11	1:398:A:ALA:HB3	2	0.22	0.01	0.22
(1,1919)	1:379:A:LEU:HD12	1:398:A:ALA:HB1	2	0.22	0.01	0.22
(1,1919)	1:379:A:LEU:HD12	1:398:A:ALA:HB2	2	0.22	0.01	0.22
(1,1919)	1:379:A:LEU:HD12	1:398:A:ALA:HB3	2	0.22	0.01	0.22
(1,1919)	1:379:A:LEU:HD13	1:398:A:ALA:HB1	2	0.22	0.01	0.22
(1,1919)	1:379:A:LEU:HD13	1:398:A:ALA:HB2	2	0.22	0.01	0.22
(1,1919)	1:379:A:LEU:HD13	1:398:A:ALA:HB3	2	0.22	0.01	0.22
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD11	2	0.21	0.03	0.21
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD12	2	0.21	0.03	0.21
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD13	2	0.21	0.03	0.21
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD21	2	0.21	0.03	0.21
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD22	2	0.21	0.03	0.21
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD23	2	0.21	0.03	0.21
(1,1273)	1:372:A:ASP:H	1:404:A:LEU:HD11	2	0.2	0.07	0.2
(1,1273)	1:372:A:ASP:H	1:404:A:LEU:HD12	2	0.2	0.07	0.2
(1,1273)	1:372:A:ASP:H	1:404:A:LEU:HD13	2	0.2	0.07	0.2
(1,1380)	1:400:A:VAL:H	1:423:A:ILE:HD11	2	0.2	0.08	0.2
(1,1380)	1:400:A:VAL:H	1:423:A:ILE:HD12	2	0.2	0.08	0.2
(1,1380)	1:400:A:VAL:H	1:423:A:ILE:HD13	2	0.2	0.08	0.2
(1,2248)	1:372:A:ASP:H	1:403:A:ALA:HB1	2	0.2	0.07	0.2
(1,2248)	1:372:A:ASP:H	1:403:A:ALA:HB2	2	0.2	0.07	0.2
(1,2248)	1:372:A:ASP:H	1:403:A:ALA:HB3	2	0.2	0.07	0.2
(1,297)	1:460:A:ASN:H	1:462:A:LEU:H	2	0.2	0.09	0.2
(1,122)	1:449:A:LEU:HB2	1:453:A:CYS:H	2	0.2	0.04	0.2
(1,2879)	1:409:A:VAL:HA	1:412:A:TYR:HB2	2	0.2	0.04	0.2
(1,2879)	1:409:A:VAL:HA	1:412:A:TYR:HB3	2	0.2	0.04	0.2
(1,1282)	1:372:A:ASP:H	1:404:A:LEU:HA	2	0.19	0.04	0.19
(1,1146)	1:400:A:VAL:HG21	1:410:A:PHE:HA	2	0.18	0.05	0.18
(1,1146)	1:400:A:VAL:HG22	1:410:A:PHE:HA	2	0.18	0.05	0.18
(1,1146)	1:400:A:VAL:HG23	1:410:A:PHE:HA	2	0.18	0.05	0.18
(1,2099)	1:365:A:GLY:HA3	1:460:A:ASN:HD21	2	0.18	0.02	0.18
(1,2099)	1:365:A:GLY:HA3	1:460:A:ASN:HD22	2	0.18	0.02	0.18
(1,346)	1:422:A:VAL:H	1:423:A:ILE:HG12	2	0.18	0.0	0.18
(1,1638)	1:383:A:PHE:HA	1:395:A:ILE:HD11	2	0.18	0.04	0.18
(1,1638)	1:383:A:PHE:HA	1:395:A:ILE:HD12	2	0.18	0.04	0.18
(1,1638)	1:383:A:PHE:HA	1:395:A:ILE:HD13	2	0.18	0.04	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1944)	1:447:A:ARG:HA	1:451:A:ASN:HB2	2	0.18	0.04	0.18
(1,1944)	1:447:A:ARG:HA	1:451:A:ASN:HB3	2	0.18	0.04	0.18
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD11	2	0.18	0.02	0.18
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD12	2	0.18	0.02	0.18
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD13	2	0.18	0.02	0.18
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD21	2	0.18	0.02	0.18
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD22	2	0.18	0.02	0.18
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD23	2	0.18	0.02	0.18
(1,1147)	1:410:A:PHE:HA	1:423:A:ILE:HG21	2	0.17	0.06	0.17
(1,1147)	1:410:A:PHE:HA	1:423:A:ILE:HG22	2	0.17	0.06	0.17
(1,1147)	1:410:A:PHE:HA	1:423:A:ILE:HG23	2	0.17	0.06	0.17
(1,644)	1:450:A:GLU:H	1:452:A:PHE:HB3	2	0.17	0.02	0.17
(1,2933)	1:416:A:ASP:HB2	1:418:A:ARG:H	2	0.17	0.02	0.17
(1,2933)	1:416:A:ASP:HB3	1:418:A:ARG:H	2	0.17	0.02	0.17
(1,796)	1:376:A:ILE:HD11	1:378:A:GLN:H	2	0.16	0.02	0.16
(1,796)	1:376:A:ILE:HD12	1:378:A:GLN:H	2	0.16	0.02	0.16
(1,796)	1:376:A:ILE:HD13	1:378:A:GLN:H	2	0.16	0.02	0.16
(1,2038)	1:450:A:GLU:HB2	1:451:A:ASN:HB2	2	0.16	0.01	0.16
(1,2038)	1:450:A:GLU:HB2	1:451:A:ASN:HB3	2	0.16	0.01	0.16
(1,846)	1:405:A:GLU:HG2	1:409:A:VAL:H	2	0.16	0.06	0.16
(1,863)	1:387:A:PRO:HG2	1:390:A:VAL:H	2	0.16	0.05	0.16
(1,1963)	1:395:A:ILE:HB	1:452:A:PHE:HD2	2	0.16	0.05	0.16
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD11	2	0.16	0.01	0.16
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD12	2	0.16	0.01	0.16
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD13	2	0.16	0.01	0.16
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD21	2	0.16	0.01	0.16
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD22	2	0.16	0.01	0.16
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD23	2	0.16	0.01	0.16
(1,2222)	1:415:A:PRO:HA	1:434:A:ILE:HA	2	0.15	0.01	0.15
(1,2354)	1:371:A:LEU:HD11	1:376:A:ILE:HB	2	0.15	0.01	0.15
(1,2354)	1:371:A:LEU:HD12	1:376:A:ILE:HB	2	0.15	0.01	0.15
(1,2354)	1:371:A:LEU:HD13	1:376:A:ILE:HB	2	0.15	0.01	0.15
(1,261)	1:388:A:VAL:HA	1:392:A:LEU:H	2	0.15	0.04	0.15
(1,2215)	1:450:A:GLU:HB3	1:451:A:ASN:HB2	2	0.15	0.03	0.15
(1,2215)	1:450:A:GLU:HB3	1:451:A:ASN:HB3	2	0.15	0.03	0.15
(1,2808)	1:398:A:ALA:H	1:399:A:CYS:HB2	2	0.15	0.04	0.15
(1,2808)	1:398:A:ALA:H	1:399:A:CYS:HB3	2	0.15	0.04	0.15
(1,334)	1:366:A:ASN:HB2	1:459:A:ASP:H	2	0.15	0.04	0.15
(1,687)	1:359:A:VAL:H	1:391:A:VAL:HB	2	0.15	0.03	0.15
(1,1170)	1:377:A:GLN:HA	1:379:A:LEU:HG	2	0.15	0.0	0.15
(1,858)	1:387:A:PRO:HB3	1:390:A:VAL:H	2	0.14	0.03	0.14
(1,113)	1:424:A:THR:HA	1:433:A:SER:H	2	0.14	0.02	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2133)	1:375:A:ARG:HA	1:378:A:GLN:HE21	2	0.14	0.01	0.14
(1,2133)	1:375:A:ARG:HA	1:378:A:GLN:HE22	2	0.14	0.01	0.14
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG11	2	0.14	0.04	0.14
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG12	2	0.14	0.04	0.14
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG13	2	0.14	0.04	0.14
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG21	2	0.14	0.04	0.14
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG22	2	0.14	0.04	0.14
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG23	2	0.14	0.04	0.14
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG11	2	0.14	0.04	0.14
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG12	2	0.14	0.04	0.14
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG13	2	0.14	0.04	0.14
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG21	2	0.14	0.04	0.14
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG22	2	0.14	0.04	0.14
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG23	2	0.14	0.04	0.14
(1,24)	1:367:A:PHE:HB3	1:368:A:GLY:H	2	0.14	0.02	0.14
(1,375)	1:417:A:ASN:H	1:418:A:ARG:HA	2	0.14	0.01	0.14
(1,675)	1:371:A:LEU:HD21	1:404:A:LEU:H	2	0.14	0.01	0.14
(1,675)	1:371:A:LEU:HD22	1:404:A:LEU:H	2	0.14	0.01	0.14
(1,675)	1:371:A:LEU:HD23	1:404:A:LEU:H	2	0.14	0.01	0.14
(1,1062)	1:395:A:ILE:H	1:397:A:GLN:H	2	0.14	0.02	0.14
(1,1776)	1:444:A:PHE:HD1	1:445:A:ALA:HB1	2	0.14	0.02	0.14
(1,1776)	1:444:A:PHE:HD1	1:445:A:ALA:HB2	2	0.14	0.02	0.14
(1,1776)	1:444:A:PHE:HD1	1:445:A:ALA:HB3	2	0.14	0.02	0.14
(1,549)	1:452:A:PHE:H	1:454:A:HIS:H	2	0.13	0.02	0.13
(1,2030)	1:396:A:VAL:H	1:397:A:GLN:HG3	2	0.13	0.03	0.13
(1,2030)	1:396:A:VAL:H	1:397:A:GLN:HG2	2	0.13	0.03	0.13
(1,3097)	1:450:A:GLU:HB2	1:452:A:PHE:H	2	0.13	0.02	0.13
(1,3097)	1:450:A:GLU:HB3	1:452:A:PHE:H	2	0.13	0.02	0.13
(1,568)	1:446:A:LEU:HD21	1:447:A:ARG:H	2	0.12	0.02	0.12
(1,568)	1:446:A:LEU:HD22	1:447:A:ARG:H	2	0.12	0.02	0.12
(1,568)	1:446:A:LEU:HD23	1:447:A:ARG:H	2	0.12	0.02	0.12
(1,745)	1:358:A:CYS:H	1:359:A:VAL:HA	2	0.12	0.01	0.12
(1,1158)	1:369:A:PRO:HA	1:371:A:LEU:HB2	2	0.12	0.02	0.12
(1,2004)	1:395:A:ILE:HG21	1:449:A:LEU:HA	2	0.12	0.01	0.12
(1,2004)	1:395:A:ILE:HG22	1:449:A:LEU:HA	2	0.12	0.01	0.12
(1,2004)	1:395:A:ILE:HG23	1:449:A:LEU:HA	2	0.12	0.01	0.12
(1,2299)	1:359:A:VAL:HA	1:395:A:ILE:HD11	2	0.12	0.01	0.12
(1,2299)	1:359:A:VAL:HA	1:395:A:ILE:HD12	2	0.12	0.01	0.12
(1,2299)	1:359:A:VAL:HA	1:395:A:ILE:HD13	2	0.12	0.01	0.12
(1,2394)	1:362:A:ASN:HB2	1:461:A:LEU:HA	2	0.12	0.02	0.12
(1,915)	1:363:A:LYS:HB2	1:364:A:HIS:H	2	0.12	0.02	0.12
(1,2152)	1:443:A:SER:HA	1:446:A:LEU:HG	2	0.12	0.0	0.12

Continued on next page...

Continued from previous page...

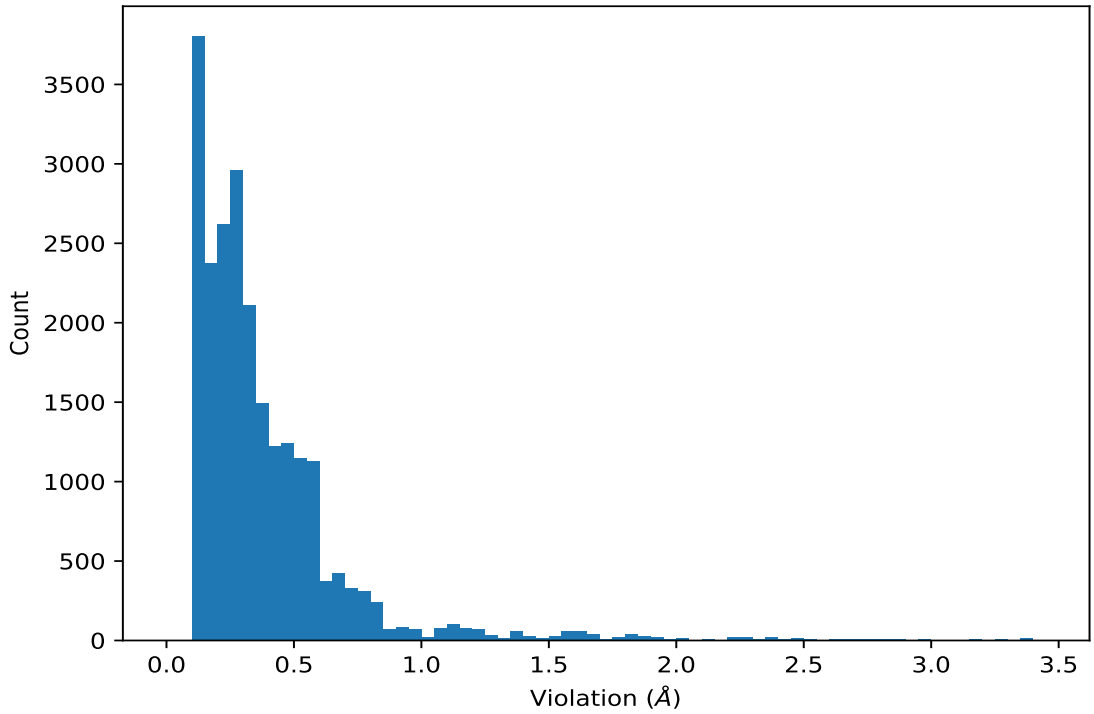
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3069)	1:447:A:ARG:HG2	1:450:A:GLU:HG2	2	0.12	0.0	0.12
(1,3069)	1:447:A:ARG:HG2	1:450:A:GLU:HG3	2	0.12	0.0	0.12
(1,3069)	1:447:A:ARG:HG3	1:450:A:GLU:HG2	2	0.12	0.0	0.12
(1,3069)	1:447:A:ARG:HG3	1:450:A:GLU:HG3	2	0.12	0.0	0.12
(1,1053)	1:393:A:ARG:HA	1:395:A:ILE:H	2	0.12	0.0	0.12
(1,1287)	1:439:A:VAL:HB	1:444:A:PHE:HD1	2	0.12	0.0	0.12
(1,2791)	1:396:A:VAL:HG11	1:400:A:VAL:HB	2	0.12	0.0	0.12
(1,2791)	1:396:A:VAL:HG12	1:400:A:VAL:HB	2	0.12	0.0	0.12
(1,2791)	1:396:A:VAL:HG13	1:400:A:VAL:HB	2	0.12	0.0	0.12
(1,2791)	1:396:A:VAL:HG21	1:400:A:VAL:HB	2	0.12	0.0	0.12
(1,2791)	1:396:A:VAL:HG22	1:400:A:VAL:HB	2	0.12	0.0	0.12
(1,2791)	1:396:A:VAL:HG23	1:400:A:VAL:HB	2	0.12	0.0	0.12
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD11	2	0.12	0.0	0.12
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD12	2	0.12	0.0	0.12
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD13	2	0.12	0.0	0.12
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD21	2	0.12	0.0	0.12
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD22	2	0.12	0.0	0.12
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD23	2	0.12	0.0	0.12
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD11	2	0.12	0.0	0.12
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD12	2	0.12	0.0	0.12
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD13	2	0.12	0.0	0.12
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD21	2	0.12	0.0	0.12
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD22	2	0.12	0.0	0.12
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD23	2	0.12	0.0	0.12
(1,2951)	1:421:A:GLU:H	1:421:A:GLU:HG2	2	0.12	0.0	0.12
(1,2951)	1:421:A:GLU:H	1:421:A:GLU:HG3	2	0.12	0.0	0.12
(1,50)	1:420:A:GLY:H	1:438:A:PRO:HA	2	0.11	0.01	0.11
(1,310)	1:423:A:ILE:HB	1:424:A:THR:H	2	0.11	0.0	0.11
(1,2034)	1:450:A:GLU:HA	1:452:A:PHE:H	2	0.11	0.01	0.11
(1,2219)	1:450:A:GLU:H	1:451:A:ASN:HB2	2	0.11	0.01	0.11
(1,2219)	1:450:A:GLU:H	1:451:A:ASN:HB3	2	0.11	0.01	0.11
(1,582)	1:438:A:PRO:HB3	1:439:A:VAL:H	2	0.11	0.0	0.11
(1,582)	1:438:A:PRO:HB2	1:439:A:VAL:H	2	0.11	0.0	0.11
(1,1594)	1:367:A:PHE:HA	1:371:A:LEU:HB2	2	0.11	0.0	0.11

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	16	3.42
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	9	3.4
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	9	3.4
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	9	3.4
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	19	3.4
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	19	3.4
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	19	3.4
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	7	3.39
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	20	3.38
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	20	3.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	20	3.37
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	20	3.37
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	5	3.35
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	5	3.35
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	5	3.35
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	8	3.34
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	8	3.34
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	8	3.34
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	15	3.26
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	15	3.26
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	15	3.26
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	18	3.26
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	18	3.26
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	18	3.26
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	12	3.25
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	12	3.25
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	12	3.25
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	17	3.22
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	1	3.2
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	1	3.2
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	1	3.2
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	4	3.2
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	14	3.19
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	14	3.19
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	14	3.19
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	2	3.16
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	2	3.16
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	2	3.16
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	11	3.16
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	11	3.16
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	11	3.16
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	4	3.14
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	4	3.14
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	4	3.14
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	13	3.05
(1,1848)	1:409:A:VAL:HA	1:412:A:TYR:HD1	4	3.04
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	18	3.03
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	10	3.0
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	10	3.0
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	10	3.0
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	5	2.98
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	16	2.97

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	16	2.97
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	16	2.97
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	3	2.95
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	3	2.95
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	3	2.95
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	2	2.95
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	10	2.93
(1,14)	1:411:A:GLY:H	1:412:A:TYR:HD1	6	2.93
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	5	2.92
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	14	2.92
(1,1848)	1:409:A:VAL:HA	1:412:A:TYR:HD1	7	2.92
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	19	2.91
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	1	2.9
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	10	2.9
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	9	2.89
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	11	2.88
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	18	2.88
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	20	2.88
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	9	2.85
(1,1848)	1:409:A:VAL:HA	1:412:A:TYR:HD1	9	2.85
(1,14)	1:411:A:GLY:H	1:412:A:TYR:HD1	10	2.85
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	4	2.84
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	12	2.84
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	15	2.84
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	19	2.84
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	2	2.84
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	13	2.82
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	13	2.82
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	13	2.82
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	8	2.81
(1,1848)	1:409:A:VAL:HA	1:412:A:TYR:HD1	17	2.79
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	20	2.78
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	15	2.78
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	6	2.77
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	6	2.77
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	6	2.77
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	20	2.77
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	19	2.76
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	17	2.76
(1,14)	1:411:A:GLY:H	1:412:A:TYR:HD1	17	2.75
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	3	2.73
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	15	2.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	14	2.71
(1,14)	1:411:A:GLY:H	1:412:A:TYR:HD1	7	2.71
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	17	2.7
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	17	2.7
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	17	2.7
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	15	2.7
(1,14)	1:411:A:GLY:H	1:412:A:TYR:HD1	11	2.7
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	8	2.69
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG21	7	2.68
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG22	7	2.68
(1,2006)	1:383:A:PHE:HD1	1:395:A:ILE:HG23	7	2.68
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	4	2.68
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	13	2.68
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	4	2.67
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	5	2.66
(1,1848)	1:409:A:VAL:HA	1:412:A:TYR:HD1	19	2.65
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	13	2.65
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	6	2.65
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	12	2.65
(1,14)	1:411:A:GLY:H	1:412:A:TYR:HD1	8	2.65
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	10	2.64
(1,14)	1:411:A:GLY:H	1:412:A:TYR:HD1	19	2.64
(1,1848)	1:409:A:VAL:HA	1:412:A:TYR:HD1	10	2.63
(1,1848)	1:409:A:VAL:HA	1:412:A:TYR:HD1	11	2.63
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	11	2.62
(1,1848)	1:409:A:VAL:HA	1:412:A:TYR:HD1	8	2.6
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	1	2.6
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	14	2.59
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	9	2.57
(1,14)	1:411:A:GLY:H	1:412:A:TYR:HD1	18	2.56
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	18	2.54
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	8	2.54
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	5	2.53
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	1	2.52
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	12	2.52
(1,14)	1:411:A:GLY:H	1:412:A:TYR:HD1	4	2.52
(1,1848)	1:409:A:VAL:HA	1:412:A:TYR:HD1	3	2.51
(1,1848)	1:409:A:VAL:HA	1:412:A:TYR:HD1	6	2.51
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	19	2.51
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	17	2.5
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	18	2.5
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	7	2.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	4	2.48
(1,1858)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	4	2.48
(1,1858)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	4	2.48
(1,1848)	1:409:A:VAL:HA	1:412:A:TYR:HD1	18	2.48
(1,1752)	1:360:A:TYR:HD1	1:466:A:PRO:HB3	20	2.48
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	5	2.48
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	20	2.48
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	11	2.47
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	2	2.47
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	12	2.47
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	13	2.46
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	16	2.46
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	16	2.45
(1,14)	1:411:A:GLY:H	1:412:A:TYR:HD1	3	2.44
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	19	2.43
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	2	2.42
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	3	2.42
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	1	2.42
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	11	2.42
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	14	2.42
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	17	2.42
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	4	2.41
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	18	2.4
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	20	2.4
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	19	2.39
(1,483)	1:361:A:VAL:H	1:383:A:PHE:HD1	2	2.39
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	5	2.39
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	6	2.39
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	18	2.38
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	18	2.37
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	7	2.36
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	7	2.36
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	7	2.36
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	7	2.36
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	7	2.36
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	7	2.36
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	1	2.36
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	2	2.36
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	17	2.35
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	17	2.35
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	17	2.35
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	17	2.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	17	2.35
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	17	2.35
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	7	2.35
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	4	2.35
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	6	2.34
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	6	2.34
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	6	2.34
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	6	2.34
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	6	2.34
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	6	2.34
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	10	2.34
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	7	2.32
(1,1858)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	7	2.31
(1,1858)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	7	2.31
(1,1858)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	7	2.31
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	2	2.31
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	19	2.3
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	16	2.29
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	16	2.29
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	16	2.29
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	16	2.29
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	16	2.29
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	16	2.29
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	2	2.28
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	2	2.28
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	2	2.28
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	2	2.28
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	2	2.28
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	2	2.28
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	13	2.28
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	13	2.28
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	13	2.28
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	13	2.28
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	13	2.28
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	13	2.28
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	5	2.27
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	17	2.27
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	7	2.26
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	20	2.24
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	4	2.23
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	11	2.22
(1,2888)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	4	2.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2888)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	4	2.21
(1,2888)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	4	2.21
(1,2888)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	4	2.21
(1,2888)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	4	2.21
(1,2888)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	4	2.21
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	3	2.21
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	3	2.21
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	3	2.21
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	3	2.21
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	3	2.21
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	3	2.21
(1,1858)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	9	2.21
(1,1858)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	9	2.21
(1,1858)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	9	2.21
(1,2888)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	7	2.2
(1,2888)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	7	2.2
(1,2888)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	7	2.2
(1,2888)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	7	2.2
(1,2888)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	7	2.2
(1,2888)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	7	2.2
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	6	2.19
(1,14)	1:411:A:GLY:H	1:412:A:TYR:HD1	9	2.19
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	16	2.17
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	18	2.17
(1,2888)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	9	2.14
(1,2888)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	9	2.14
(1,2888)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	9	2.14
(1,2888)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	9	2.14
(1,2888)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	9	2.14
(1,2888)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	9	2.14
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	14	2.14
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	5	2.13
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	11	2.11
(1,1858)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	17	2.1
(1,1858)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	17	2.1
(1,1858)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	17	2.1
(1,1858)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	8	2.06
(1,1858)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	8	2.06
(1,1858)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	8	2.06
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	13	2.05
(1,1752)	1:360:A:TYR:HD1	1:466:A:PRO:HB3	17	2.05
(1,1858)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	19	2.03

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	19	2.03
(1,1858)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	19	2.03
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	19	2.02
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	19	2.02
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	6	2.0
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	6	2.0
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	6	2.0
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	6	2.0
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	6	2.0
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	6	2.0
(1,2888)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	19	1.99
(1,2888)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	19	1.99
(1,2888)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	19	1.99
(1,2888)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	19	1.99
(1,2888)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	19	1.99
(1,2888)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	19	1.99
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	12	1.99
(1,1752)	1:360:A:TYR:HD1	1:466:A:PRO:HB3	2	1.97
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	4	1.94
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	4	1.94
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	4	1.94
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	4	1.94
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	4	1.94
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	4	1.94
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	6	1.94
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	2	1.93
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	2	1.93
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	3	1.92
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	3	1.92
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	3	1.92
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	3	1.92
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	3	1.92
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	3	1.92
(1,1858)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	10	1.92
(1,1858)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	10	1.92
(1,1858)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	10	1.92
(1,1730)	1:411:A:GLY:HA3	1:412:A:TYR:HD1	6	1.92
(1,1730)	1:411:A:GLY:HA2	1:412:A:TYR:HD1	6	1.92
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	7	1.91
(1,1976)	1:383:A:PHE:HD1	1:395:A:ILE:HA	17	1.91
(1,1858)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	11	1.9
(1,1858)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	11	1.9

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	11	1.9
(1,2325)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	7	1.89
(1,2325)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	7	1.89
(1,2325)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	7	1.89
(1,1858)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	18	1.87
(1,1858)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	18	1.87
(1,1858)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	18	1.87
(1,1752)	1:360:A:TYR:HD1	1:466:A:PRO:HB3	4	1.87
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	18	1.87
(1,2888)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	17	1.86
(1,2888)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	17	1.86
(1,2888)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	17	1.86
(1,2888)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	17	1.86
(1,2888)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	17	1.86
(1,2888)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	17	1.86
(1,2325)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	9	1.86
(1,2325)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	9	1.86
(1,2325)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	9	1.86
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	3	1.85
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	3	1.85
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	3	1.85
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	3	1.85
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	3	1.85
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	3	1.85
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	20	1.85
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	20	1.85
(1,2888)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	10	1.84
(1,2888)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	10	1.84
(1,2888)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	10	1.84
(1,2888)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	10	1.84
(1,2888)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	10	1.84
(1,2888)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	10	1.84
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	9	1.83
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	9	1.83
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	9	1.83
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	9	1.83
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	9	1.83
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	9	1.83
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	17	1.83
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	17	1.83
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	17	1.83
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	17	1.83

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	17	1.83
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	17	1.83
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	17	1.83
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	17	1.83
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	17	1.83
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	17	1.83
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	17	1.83
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	17	1.83
(1,2325)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	4	1.82
(1,2325)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	4	1.82
(1,2325)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	4	1.82
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	4	1.82
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	5	1.81
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	5	1.81
(1,2888)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	3	1.8
(1,2888)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	3	1.8
(1,2888)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	3	1.8
(1,2888)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	3	1.8
(1,2888)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	3	1.8
(1,2888)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	3	1.8
(1,2888)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	8	1.8
(1,2888)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	8	1.8
(1,2888)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	8	1.8
(1,2888)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	8	1.8
(1,2888)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	8	1.8
(1,2888)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	8	1.8
(1,2888)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	11	1.79
(1,2888)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	11	1.79
(1,2888)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	11	1.79
(1,2888)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	11	1.79
(1,2888)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	11	1.79
(1,2888)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	11	1.79
(1,1730)	1:411:A:GLY:HA3	1:412:A:TYR:HD1	11	1.79
(1,1730)	1:411:A:GLY:HA2	1:412:A:TYR:HD1	11	1.79
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	9	1.78
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	9	1.78
(1,1858)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	6	1.78
(1,1858)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	6	1.78
(1,1858)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	6	1.78
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	20	1.78
(1,1730)	1:411:A:GLY:HA3	1:412:A:TYR:HD1	10	1.77
(1,1730)	1:411:A:GLY:HA2	1:412:A:TYR:HD1	10	1.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2888)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	6	1.75
(1,2888)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	6	1.75
(1,2888)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	6	1.75
(1,2888)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	6	1.75
(1,2888)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	6	1.75
(1,2888)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	6	1.75
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	16	1.75
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	16	1.75
(1,1161)	1:367:A:PHE:HD1	1:369:A:PRO:HA	16	1.74
(1,1858)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	3	1.73
(1,1858)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	3	1.73
(1,1858)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	3	1.73
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	1	1.72
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	16	1.71
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	18	1.71
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	18	1.71
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	8	1.71
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	8	1.71
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	8	1.71
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	14	1.7
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	14	1.7
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	19	1.7
(1,1752)	1:360:A:TYR:HD1	1:466:A:PRO:HB3	18	1.7
(1,1730)	1:411:A:GLY:HA3	1:412:A:TYR:HD1	17	1.7
(1,1730)	1:411:A:GLY:HA2	1:412:A:TYR:HD1	17	1.7
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	15	1.69
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	15	1.69
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	15	1.69
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	15	1.69
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	15	1.69
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	15	1.69
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	15	1.69
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	15	1.69
(1,1730)	1:411:A:GLY:HA3	1:412:A:TYR:HD1	7	1.69
(1,1730)	1:411:A:GLY:HA2	1:412:A:TYR:HD1	7	1.69
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	4	1.68
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	4	1.68
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	4	1.68
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	4	1.68
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	4	1.68
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	4	1.68
(1,2325)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	19	1.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2325)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	19	1.68
(1,2325)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	19	1.68
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	9	1.67
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	9	1.67
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	9	1.67
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	9	1.67
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	9	1.67
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	9	1.67
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	16	1.67
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	20	1.66
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	20	1.66
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	20	1.66
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	20	1.66
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	20	1.66
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	20	1.66
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	12	1.66
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	13	1.66
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	19	1.65
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	19	1.65
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	19	1.65
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	19	1.65
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	19	1.65
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	19	1.65
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	16	1.65
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	13	1.64
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	13	1.64
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	13	1.64
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	13	1.64
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	13	1.64
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	13	1.64
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	7	1.64
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	2	1.64
(1,2888)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	18	1.63
(1,2888)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	18	1.63
(1,2888)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	18	1.63
(1,2888)	1:409:A:VAL:HG21	1:412:A:TYR:HD1	18	1.63
(1,2888)	1:409:A:VAL:HG22	1:412:A:TYR:HD1	18	1.63
(1,2888)	1:409:A:VAL:HG23	1:412:A:TYR:HD1	18	1.63
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	5	1.63
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	19	1.63
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	9	1.63
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	9	1.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	9	1.63
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	20	1.63
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	20	1.63
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	20	1.63
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	10	1.62
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	10	1.62
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	10	1.62
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	10	1.62
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	10	1.62
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	10	1.62
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	3	1.62
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	18	1.62
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	20	1.62
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	12	1.62
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	12	1.62
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	12	1.62
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	19	1.62
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	19	1.62
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	19	1.62
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	6	1.61
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	6	1.61
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	6	1.61
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	6	1.61
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	6	1.61
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	6	1.61
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	4	1.61
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	4	1.61
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	5	1.61
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	5	1.61
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	5	1.61
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	8	1.6
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	8	1.6
(1,1752)	1:360:A:TYR:HD1	1:466:A:PRO:HB3	7	1.6
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	7	1.59
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	7	1.59
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	7	1.59
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	7	1.59
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	7	1.59
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	7	1.59
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	6	1.59
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	9	1.59
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	15	1.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	1	1.58
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	1	1.58
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	1	1.58
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	1	1.58
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	1	1.58
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	1	1.58
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	10	1.58
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	12	1.58
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	12	1.58
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	18	1.58
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	18	1.58
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	18	1.58
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	16	1.57
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	16	1.57
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	16	1.57
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	16	1.57
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	16	1.57
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	16	1.57
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	2	1.57
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	4	1.57
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	1	1.57
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	1	1.57
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	1	1.57
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	11	1.57
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	11	1.57
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	11	1.57
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	7	1.57
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	10	1.57
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	2	1.56
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	2	1.56
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	2	1.56
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	2	1.56
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	2	1.56
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	2	1.56
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	8	1.56
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	11	1.56
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	11	1.56
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	14	1.55
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	14	1.55
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	14	1.55
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	14	1.55
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	14	1.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	14	1.55
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	20	1.55
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	14	1.55
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	17	1.55
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	15	1.55
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	15	1.55
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	15	1.55
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	20	1.55
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	11	1.55
(1,2325)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	3	1.53
(1,2325)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	3	1.53
(1,2325)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	3	1.53
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	10	1.52
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	10	1.52
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	10	1.52
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	10	1.52
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	10	1.52
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	10	1.52
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	12	1.52
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	12	1.52
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	12	1.52
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	12	1.52
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	12	1.52
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	12	1.52
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	17	1.52
(1,2171)	1:357:A:VAL:HB	1:442:A:ALA:HA	11	1.52
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	7	1.51
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	7	1.51
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	7	1.51
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	7	1.51
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	7	1.51
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	7	1.51
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	2	1.51
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	2	1.51
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	2	1.51
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	4	1.5
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	4	1.5
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	4	1.5
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	8	1.49
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	8	1.49
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	8	1.49
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	8	1.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	8	1.49
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	8	1.49
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	11	1.49
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	11	1.49
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	11	1.49
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	11	1.49
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	11	1.49
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	11	1.49
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	13	1.49
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	1	1.49
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	1	1.49
(1,2325)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	10	1.48
(1,2325)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	10	1.48
(1,2325)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	10	1.48
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	5	1.45
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	5	1.45
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	7	1.44
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	7	1.44
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	7	1.44
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	7	1.44
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	7	1.44
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	7	1.44
(1,1730)	1:411:A:GLY:HA3	1:412:A:TYR:HD1	8	1.44
(1,1730)	1:411:A:GLY:HA2	1:412:A:TYR:HD1	8	1.44
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	17	1.43
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	17	1.43
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	17	1.43
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	17	1.43
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	17	1.43
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	17	1.43
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	16	1.43
(1,2325)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	17	1.42
(1,2325)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	17	1.42
(1,2325)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	17	1.42
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	6	1.42
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	6	1.42
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	6	1.42
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	6	1.42
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	6	1.42
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	6	1.42
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	10	1.42
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	10	1.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	10	1.42
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	18	1.4
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	18	1.4
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	18	1.4
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	18	1.4
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	18	1.4
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	18	1.4
(1,2325)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	6	1.4
(1,2325)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	6	1.4
(1,2325)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	6	1.4
(1,2325)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	11	1.4
(1,2325)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	11	1.4
(1,2325)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	11	1.4
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	7	1.4
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	8	1.39
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	8	1.39
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	8	1.39
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	8	1.39
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	8	1.39
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	8	1.39
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	7	1.39
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	7	1.39
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	7	1.39
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	14	1.39
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	14	1.39
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	14	1.39
(1,810)	1:380:A:PRO:HG2	1:382:A:HIS:H	18	1.38
(1,2523)	1:361:A:VAL:HG11	1:383:A:PHE:HD1	5	1.37
(1,2523)	1:361:A:VAL:HG12	1:383:A:PHE:HD1	5	1.37
(1,2523)	1:361:A:VAL:HG13	1:383:A:PHE:HD1	5	1.37
(1,2523)	1:361:A:VAL:HG21	1:383:A:PHE:HD1	5	1.37
(1,2523)	1:361:A:VAL:HG22	1:383:A:PHE:HD1	5	1.37
(1,2523)	1:361:A:VAL:HG23	1:383:A:PHE:HD1	5	1.37
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	16	1.37
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	16	1.37
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	16	1.37
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	16	1.37
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	16	1.37
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	16	1.37
(1,1018)	1:360:A:TYR:HD1	1:465:A:GLN:H	6	1.37
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	2	1.36
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	2	1.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	2	1.36
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	2	1.36
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	2	1.36
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	2	1.36
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	13	1.36
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	13	1.36
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	13	1.36
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	13	1.36
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	13	1.36
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	13	1.36
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	3	1.36
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	3	1.36
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	16	1.36
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	16	1.36
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	16	1.36
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	17	1.36
(1,1752)	1:360:A:TYR:HD1	1:466:A:PRO:HB3	19	1.36
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	17	1.36
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	16	1.35
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	16	1.35
(1,2325)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	8	1.34
(1,2325)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	8	1.34
(1,2325)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	8	1.34
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	13	1.33
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	13	1.33
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	13	1.33
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	6	1.33
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	6	1.32
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	6	1.32
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	6	1.32
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	17	1.32
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	17	1.32
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	15	1.3
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	3	1.29
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	3	1.29
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	3	1.29
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	3	1.29
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	3	1.29
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	3	1.29
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	4	1.29
(1,1730)	1:411:A:GLY:HA3	1:412:A:TYR:HD1	18	1.29
(1,1730)	1:411:A:GLY:HA2	1:412:A:TYR:HD1	18	1.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	7	1.28
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	7	1.28
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	10	1.28
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	6	1.27
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	6	1.27
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	17	1.27
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	17	1.27
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	17	1.27
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	18	1.27
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	18	1.27
(1,1730)	1:411:A:GLY:HA3	1:412:A:TYR:HD1	19	1.27
(1,1730)	1:411:A:GLY:HA2	1:412:A:TYR:HD1	19	1.27
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	3	1.26
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	3	1.26
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	7	1.26
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	10	1.26
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	6	1.26
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	6	1.26
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	6	1.26
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	13	1.25
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	13	1.25
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	14	1.25
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	14	1.25
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	14	1.25
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD11	3	1.24
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD12	3	1.24
(1,1981)	1:383:A:PHE:HD1	1:395:A:ILE:HD13	3	1.24
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	1	1.24
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	1	1.24
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	10	1.23
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	10	1.23
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	10	1.23
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	10	1.23
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	10	1.23
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	10	1.23
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	11	1.23
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	11	1.23
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	11	1.23
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	11	1.23
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	11	1.23
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	11	1.23
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	6	1.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1725)	1:466:A:PRO:HA	1:467:A:PHE:HD1	19	1.23
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	15	1.23
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	15	1.23
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	15	1.23
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	14	1.22
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	14	1.22
(1,2514)	1:361:A:VAL:HG11	1:380:A:PRO:HG2	2	1.22
(1,2514)	1:361:A:VAL:HG12	1:380:A:PRO:HG2	2	1.22
(1,2514)	1:361:A:VAL:HG13	1:380:A:PRO:HG2	2	1.22
(1,2514)	1:361:A:VAL:HG21	1:380:A:PRO:HG2	2	1.22
(1,2514)	1:361:A:VAL:HG22	1:380:A:PRO:HG2	2	1.22
(1,2514)	1:361:A:VAL:HG23	1:380:A:PRO:HG2	2	1.22
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	1	1.22
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	1	1.22
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	1	1.22
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	1	1.22
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	1	1.22
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	1	1.22
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	8	1.22
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	8	1.22
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	8	1.22
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	8	1.22
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	8	1.22
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	8	1.22
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	10	1.22
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	10	1.22
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	14	1.22
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	14	1.22
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	4	1.22
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	4	1.22
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	4	1.22
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	5	1.21
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	5	1.21
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	5	1.21
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	5	1.21
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	5	1.21
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	5	1.21
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	9	1.21
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	9	1.21
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	9	1.21
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	9	1.21
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	9	1.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	9	1.21
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	19	1.21
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	19	1.21
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	19	1.21
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	19	1.21
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	19	1.21
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	19	1.21
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	7	1.21
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	7	1.21
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	7	1.21
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	19	1.2
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	19	1.2
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	18	1.2
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	15	1.2
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	15	1.2
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	14	1.19
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	14	1.19
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	14	1.19
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	14	1.19
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	14	1.19
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	14	1.19
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	15	1.19
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	15	1.19
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	15	1.19
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	15	1.19
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	15	1.19
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	15	1.19
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	18	1.19
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	18	1.19
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	18	1.19
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	18	1.19
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	18	1.19
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	18	1.19
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	19	1.19
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	19	1.19
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	19	1.19
(1,810)	1:380:A:PRO:HG2	1:382:A:HIS:H	2	1.19
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	1	1.19
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	1	1.19
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	1	1.19
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	18	1.18
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	18	1.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	12	1.18
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	12	1.18
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	12	1.18
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	12	1.18
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	12	1.18
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	12	1.18
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	14	1.18
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	14	1.18
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	10	1.18
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	10	1.18
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	4	1.17
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	4	1.17
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	4	1.17
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	4	1.17
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	4	1.17
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	4	1.17
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	12	1.17
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	12	1.17
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	12	1.17
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	12	1.17
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	12	1.17
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	12	1.17
(1,1753)	1:360:A:TYR:HE1	1:466:A:PRO:HB3	20	1.17
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	2	1.17
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	2	1.17
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	11	1.17
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	11	1.17
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	11	1.17
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	12	1.17
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	12	1.17
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	12	1.17
(1,2466)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	20	1.16
(1,2466)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	20	1.16
(1,2466)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	20	1.16
(1,2466)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	20	1.16
(1,2466)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	20	1.16
(1,2466)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	20	1.16
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	9	1.16
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	9	1.16
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	9	1.16
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	9	1.16
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	9	1.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	9	1.16
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	20	1.16
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	20	1.16
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	20	1.16
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	1	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	1	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	1	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	1	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	1	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	1	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	10	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	10	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	10	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	10	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	10	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	10	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	15	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	15	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	15	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	15	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	15	1.15
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	15	1.15
(1,2325)	1:409:A:VAL:HG11	1:412:A:TYR:HD1	18	1.15
(1,2325)	1:409:A:VAL:HG12	1:412:A:TYR:HD1	18	1.15
(1,2325)	1:409:A:VAL:HG13	1:412:A:TYR:HD1	18	1.15
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	16	1.15
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	18	1.15
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	18	1.15
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	4	1.14
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	11	1.14
(1,1730)	1:411:A:GLY:HA3	1:412:A:TYR:HD1	4	1.14
(1,1730)	1:411:A:GLY:HA2	1:412:A:TYR:HD1	4	1.14
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	10	1.14
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	17	1.14
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	17	1.14
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	17	1.14
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	9	1.13
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	9	1.13
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	9	1.13
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	9	1.13
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	7	1.13
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	7	1.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	7	1.13
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	7	1.13
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	7	1.13
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	7	1.13
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG13	17	1.13
(1,2009)	1:383:A:PHE:HD1	1:395:A:ILE:HG12	17	1.13
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	1	1.13
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	6	1.13
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	16	1.13
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	16	1.13
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	16	1.13
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	3	1.12
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	3	1.12
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	3	1.12
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	3	1.12
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	3	1.12
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	3	1.12
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	6	1.12
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	6	1.12
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	6	1.12
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	6	1.12
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	6	1.12
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	6	1.12
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	10	1.12
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	10	1.12
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	2	1.12
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	3	1.12
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	11	1.12
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	3	1.12
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	3	1.12
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	3	1.12
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD11	12	1.11
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD12	12	1.11
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD13	12	1.11
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD21	12	1.11
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD22	12	1.11
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD23	12	1.11
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD11	12	1.11
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD12	12	1.11
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD13	12	1.11
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD21	12	1.11
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD22	12	1.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD23	12	1.11
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	7	1.11
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	7	1.11
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	5	1.11
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	9	1.11
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	9	1.11
(1,1122)	1:447:A:ARG:HD2	1:448:A:PHE:H	4	1.11
(1,1122)	1:447:A:ARG:HD3	1:448:A:PHE:H	4	1.11
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	2	1.11
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	2	1.11
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	2	1.11
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	20	1.1
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	20	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	2	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	2	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	2	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	2	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	2	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	2	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	8	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	8	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	8	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	8	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	8	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	8	1.1
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	2	1.1
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	5	1.09
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	5	1.09
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	5	1.09
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	5	1.09
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	5	1.09
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	5	1.09
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	4	1.09
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	10	1.09
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	8	1.09
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	8	1.09
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	13	1.09
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	13	1.09
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	4	1.08
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	4	1.08
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	4	1.08
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	4	1.08

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	4	1.08
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	4	1.08
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	20	1.08
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	20	1.08
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	20	1.08
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	20	1.08
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	20	1.08
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	20	1.08
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	9	1.08
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	17	1.08
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	3	1.08
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	3	1.08
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	17	1.08
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	17	1.08
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	11	1.08
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	17	1.07
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	17	1.07
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	5	1.07
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	7	1.07
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	18	1.07
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	11	1.07
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	11	1.07
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	12	1.06
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	12	1.06
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	14	1.06
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	14	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	11	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	11	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	11	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	11	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	11	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	11	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	14	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	14	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	14	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	14	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	14	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	14	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	16	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	16	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	16	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	16	1.06

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	16	1.06
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	16	1.06
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	11	1.06
(1,1730)	1:411:A:GLY:HA3	1:412:A:TYR:HD1	3	1.06
(1,1730)	1:411:A:GLY:HA2	1:412:A:TYR:HD1	3	1.06
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	2	1.06
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	5	1.06
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	1	1.05
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	1	1.05
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	18	1.05
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	18	1.05
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	18	1.05
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	18	1.05
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	18	1.05
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	18	1.05
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	18	1.05
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	18	1.05
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	6	1.05
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	6	1.05
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	13	1.05
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	12	1.04
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	12	1.04
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	10	1.04
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	14	1.04
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	15	1.04
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	19	1.04
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	20	1.03
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	7	1.03
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	7	1.03
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	16	1.03
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	16	1.02
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	4	1.02
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	4	1.02
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	12	1.02
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	16	1.01
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	16	1.01
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	13	1.01
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	15	1.0
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	15	1.0
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	13	1.0
(1,230)	1:412:A:TYR:H	1:412:A:TYR:HD1	11	1.0
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	13	0.99

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	13	0.99
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	13	0.99
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	13	0.99
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	13	0.99
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	13	0.99
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	17	0.99
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	17	0.99
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	17	0.99
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	17	0.99
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	17	0.99
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	17	0.99
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	6	0.99
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	4	0.99
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	4	0.99
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	12	0.99
(1,1634)	1:380:A:PRO:HG3	1:383:A:PHE:HA	2	0.99
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	8	0.98
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	8	0.98
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	8	0.98
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	8	0.98
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	8	0.98
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	8	0.98
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD21	8	0.98
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD22	8	0.98
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD23	8	0.98
(1,1526)	1:385:A:PRO:HG2	1:386:A:GLY:HA2	15	0.98
(1,1297)	1:446:A:LEU:HD11	1:464:A:SER:HA	12	0.98
(1,1297)	1:446:A:LEU:HD12	1:464:A:SER:HA	12	0.98
(1,1297)	1:446:A:LEU:HD13	1:464:A:SER:HA	12	0.98
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	9	0.98
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	9	0.98
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	9	0.98
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	4	0.98
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	8	0.98
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	8	0.98
(1,230)	1:412:A:TYR:H	1:412:A:TYR:HD1	6	0.98
(1,230)	1:412:A:TYR:H	1:412:A:TYR:HD1	17	0.98
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD11	4	0.97
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD12	4	0.97
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD13	4	0.97
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD21	4	0.97
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD22	4	0.97

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD23	4	0.97
(1,2136)	1:447:A:ARG:HD2	1:448:A:PHE:HB2	4	0.97
(1,2136)	1:447:A:ARG:HD3	1:448:A:PHE:HB2	4	0.97
(1,1753)	1:360:A:TYR:HE1	1:466:A:PRO:HB3	2	0.97
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	10	0.97
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	10	0.97
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	10	0.97
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	10	0.96
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	10	0.96
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	12	0.96
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	12	0.96
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD11	16	0.96
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD12	16	0.96
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD13	16	0.96
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD21	16	0.96
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD22	16	0.96
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD23	16	0.96
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD11	16	0.96
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD12	16	0.96
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD13	16	0.96
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD21	16	0.96
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD22	16	0.96
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD23	16	0.96
(1,1634)	1:380:A:PRO:HG3	1:383:A:PHE:HA	18	0.96
(1,1526)	1:385:A:PRO:HG2	1:386:A:GLY:HA2	17	0.96
(1,643)	1:447:A:ARG:HD2	1:450:A:GLU:H	5	0.96
(1,643)	1:447:A:ARG:HD3	1:450:A:GLU:H	5	0.96
(1,643)	1:447:A:ARG:HD2	1:450:A:GLU:H	11	0.96
(1,643)	1:447:A:ARG:HD3	1:450:A:GLU:H	11	0.96
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	4	0.96
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	5	0.95
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	5	0.95
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	10	0.95
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	10	0.95
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	2	0.95
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	2	0.95
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	2	0.95
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	2	0.95
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	2	0.95
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	2	0.95
(1,1771)	1:388:A:VAL:HB	1:445:A:ALA:HA	8	0.95
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	1	0.95

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	1	0.95
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	8	0.95
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	8	0.95
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	8	0.95
(1,1526)	1:385:A:PRO:HG2	1:386:A:GLY:HA2	9	0.95
(1,643)	1:447:A:ARG:HD2	1:450:A:GLU:H	15	0.95
(1,643)	1:447:A:ARG:HD3	1:450:A:GLU:H	15	0.95
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	6	0.94
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	6	0.94
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	6	0.94
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	6	0.94
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	6	0.94
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	6	0.94
(1,2514)	1:361:A:VAL:HG11	1:380:A:PRO:HG2	18	0.94
(1,2514)	1:361:A:VAL:HG12	1:380:A:PRO:HG2	18	0.94
(1,2514)	1:361:A:VAL:HG13	1:380:A:PRO:HG2	18	0.94
(1,2514)	1:361:A:VAL:HG21	1:380:A:PRO:HG2	18	0.94
(1,2514)	1:361:A:VAL:HG22	1:380:A:PRO:HG2	18	0.94
(1,2514)	1:361:A:VAL:HG23	1:380:A:PRO:HG2	18	0.94
(1,1752)	1:360:A:TYR:HD1	1:466:A:PRO:HB3	5	0.94
(1,1526)	1:385:A:PRO:HG2	1:386:A:GLY:HA2	4	0.94
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	20	0.94
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	4	0.93
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	4	0.93
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	2	0.93
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	2	0.93
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	2	0.93
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	2	0.93
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	2	0.93
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	2	0.93
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	12	0.93
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	12	0.93
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	12	0.93
(1,230)	1:412:A:TYR:H	1:412:A:TYR:HD1	10	0.93
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	16	0.92
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	16	0.92
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG11	19	0.92
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG12	19	0.92
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG13	19	0.92
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG21	19	0.92
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG22	19	0.92
(1,2422)	1:357:A:VAL:HB	1:388:A:VAL:HG23	19	0.92

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	6	0.92
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	7	0.92
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	11	0.92
(1,1725)	1:466:A:PRO:HA	1:467:A:PHE:HD1	2	0.92
(1,1297)	1:446:A:LEU:HD11	1:464:A:SER:HA	3	0.92
(1,1297)	1:446:A:LEU:HD12	1:464:A:SER:HA	3	0.92
(1,1297)	1:446:A:LEU:HD13	1:464:A:SER:HA	3	0.92
(1,1122)	1:447:A:ARG:HD2	1:448:A:PHE:H	18	0.92
(1,1122)	1:447:A:ARG:HD3	1:448:A:PHE:H	18	0.92
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD21	2	0.92
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD22	2	0.92
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	17	0.91
(1,1143)	1:416:A:ASP:H	1:435:A:GLN:HE21	3	0.91
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	16	0.91
(1,643)	1:447:A:ARG:HD2	1:450:A:GLU:H	3	0.91
(1,643)	1:447:A:ARG:HD3	1:450:A:GLU:H	3	0.91
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	15	0.9
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	8	0.9
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	8	0.9
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	8	0.9
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	3	0.9
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	3	0.9
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	3	0.9
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	18	0.9
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	18	0.9
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	18	0.9
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	2	0.9
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	2	0.9
(1,101)	1:355:A:SER:HB2	1:389:A:ASN:H	13	0.9
(1,101)	1:355:A:SER:HB3	1:389:A:ASN:H	13	0.9
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	17	0.89
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	17	0.89
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	17	0.89
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	17	0.89
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	17	0.89
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	17	0.89
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	18	0.89
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	18	0.89
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	18	0.89
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	18	0.89
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	18	0.89
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	18	0.89

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	2	0.89
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	2	0.89
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	6	0.89
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	6	0.89
(1,1932)	1:371:A:LEU:HD21	1:404:A:LEU:HG	5	0.89
(1,1932)	1:371:A:LEU:HD22	1:404:A:LEU:HG	5	0.89
(1,1932)	1:371:A:LEU:HD23	1:404:A:LEU:HG	5	0.89
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	5	0.89
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	12	0.89
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	19	0.89
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	5	0.89
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD21	4	0.89
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD22	4	0.89
(1,643)	1:447:A:ARG:HD2	1:450:A:GLU:H	4	0.89
(1,643)	1:447:A:ARG:HD3	1:450:A:GLU:H	4	0.89
(1,643)	1:447:A:ARG:HD2	1:450:A:GLU:H	18	0.89
(1,643)	1:447:A:ARG:HD3	1:450:A:GLU:H	18	0.89
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	13	0.88
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	13	0.88
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	13	0.88
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	13	0.88
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	13	0.88
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	13	0.88
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	3	0.88
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	3	0.88
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	12	0.88
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	13	0.87
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	13	0.87
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	7	0.87
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	7	0.87
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	7	0.87
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	7	0.87
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	7	0.87
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	7	0.87
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	18	0.87
(1,1297)	1:446:A:LEU:HD11	1:464:A:SER:HA	8	0.87
(1,1297)	1:446:A:LEU:HD12	1:464:A:SER:HA	8	0.87
(1,1297)	1:446:A:LEU:HD13	1:464:A:SER:HA	8	0.87
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	19	0.87
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	18	0.87
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	18	0.87
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	18	0.87

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	1	0.86
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	1	0.86
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	1	0.86
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	1	0.86
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	1	0.86
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	1	0.86
(1,2199)	1:405:A:GLU:HA	1:407:A:LYS:HB3	2	0.86
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	11	0.86
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	11	0.86
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	11	0.86
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	11	0.86
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	11	0.86
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	16	0.86
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	16	0.86
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	16	0.86
(1,1526)	1:385:A:PRO:HG2	1:386:A:GLY:HA2	14	0.86
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	1	0.86
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	20	0.85
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	20	0.85
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	20	0.85
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	20	0.85
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	20	0.85
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	20	0.85
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	8	0.85
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	8	0.85
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	15	0.85
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	15	0.85
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	15	0.85
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	15	0.85
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	15	0.85
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	15	0.85
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	8	0.85
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	8	0.85
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	8	0.85
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	19	0.85
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	19	0.85
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	19	0.85
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	16	0.85
(1,1753)	1:360:A:TYR:HE1	1:466:A:PRO:HB3	17	0.85
(1,1297)	1:446:A:LEU:HD11	1:464:A:SER:HA	14	0.85
(1,1297)	1:446:A:LEU:HD12	1:464:A:SER:HA	14	0.85
(1,1297)	1:446:A:LEU:HD13	1:464:A:SER:HA	14	0.85

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	5	0.85
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	1	0.84
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	1	0.84
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	1	0.84
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	1	0.84
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	1	0.84
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	1	0.84
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	9	0.84
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	9	0.84
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	9	0.84
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	9	0.84
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	9	0.84
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	9	0.84
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	3	0.84
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	15	0.84
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	15	0.84
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	15	0.84
(1,2116)	1:442:A:ALA:HA	1:446:A:LEU:HG	20	0.84
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB1	19	0.84
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB2	19	0.84
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB3	19	0.84
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	12	0.84
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	12	0.84
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	12	0.84
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	19	0.84
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	19	0.84
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	19	0.84
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	19	0.84
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	19	0.84
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	19	0.84
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	12	0.84
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	14	0.84
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	4	0.83
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	4	0.83
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	17	0.83
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	17	0.83
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	17	0.83
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	17	0.83
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	17	0.83
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	17	0.83
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	20	0.83
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	20	0.83

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	20	0.83
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	20	0.83
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	20	0.83
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	20	0.83
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD11	11	0.83
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD12	11	0.83
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD13	11	0.83
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD21	11	0.83
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD22	11	0.83
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD23	11	0.83
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	6	0.83
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	6	0.83
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	13	0.83
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	18	0.83
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	2	0.83
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	2	0.83
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	2	0.83
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	6	0.83
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	6	0.83
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	6	0.83
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	5	0.83
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	5	0.83
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	5	0.83
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	20	0.83
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	20	0.83
(1,643)	1:447:A:ARG:HD2	1:450:A:GLU:H	9	0.83
(1,643)	1:447:A:ARG:HD3	1:450:A:GLU:H	9	0.83
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	4	0.83
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	4	0.83
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	4	0.83
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	18	0.82
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	18	0.82
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	12	0.82
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	12	0.82
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	12	0.82
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	12	0.82
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	12	0.82
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	12	0.82
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD2	5	0.82
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD3	5	0.82
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD2	5	0.82
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD3	5	0.82

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	18	0.82
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	18	0.82
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	18	0.82
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	8	0.82
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD21	14	0.82
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD22	14	0.82
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD23	14	0.82
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	16	0.82
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	16	0.82
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	16	0.82
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	12	0.82
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	12	0.82
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	9	0.82
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	9	0.82
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	9	0.82
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	3	0.82
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	20	0.82
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	4	0.82
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	4	0.82
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	4	0.82
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	10	0.82
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	10	0.82
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	10	0.82
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	20	0.82
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	20	0.82
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	20	0.82
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	2	0.82
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	2	0.82
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	2	0.82
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	12	0.82
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	12	0.82
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	12	0.82
(1,1294)	1:439:A:VAL:HG21	1:444:A:PHE:HD1	6	0.82
(1,1294)	1:439:A:VAL:HG22	1:444:A:PHE:HD1	6	0.82
(1,1294)	1:439:A:VAL:HG23	1:444:A:PHE:HD1	6	0.82
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	15	0.82
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	7	0.82
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	7	0.82
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	7	0.82
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	20	0.82
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	11	0.82
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	15	0.82

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:412:A:TYR:H	1:412:A:TYR:HD1	7	0.82
(1,76)	1:359:A:VAL:HB	1:463:A:SER:H	2	0.82
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	2	0.81
(1,2305)	1:359:A:VAL:HB	1:383:A:PHE:HD1	16	0.81
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	12	0.81
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	12	0.81
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	12	0.81
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB1	3	0.81
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB2	3	0.81
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB3	3	0.81
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	20	0.81
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	20	0.81
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	20	0.81
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	20	0.81
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	20	0.81
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	7	0.81
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	15	0.81
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	15	0.81
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	15	0.81
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	4	0.81
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	8	0.81
(1,76)	1:359:A:VAL:HB	1:463:A:SER:H	3	0.81
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	12	0.81
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	12	0.81
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	12	0.81
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	13	0.8
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	13	0.8
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	11	0.8
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	11	0.8
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	1	0.8
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	1	0.8
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	1	0.8
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	1	0.8
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	1	0.8
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	1	0.8
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	11	0.8
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	11	0.8
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	11	0.8
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	11	0.8
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	11	0.8
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	11	0.8
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	14	0.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	14	0.8
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	14	0.8
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	14	0.8
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	14	0.8
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	14	0.8
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	16	0.8
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	16	0.8
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	16	0.8
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	16	0.8
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	16	0.8
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	16	0.8
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	17	0.8
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	17	0.8
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	17	0.8
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	17	0.8
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	17	0.8
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	17	0.8
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	15	0.8
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	15	0.8
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	15	0.8
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	15	0.8
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	15	0.8
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	15	0.8
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	18	0.8
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	18	0.8
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	18	0.8
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	1	0.8
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	1	0.8
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	1	0.8
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	15	0.8
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	15	0.8
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	15	0.8
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	16	0.8
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	16	0.8
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	16	0.8
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	13	0.8
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	7	0.8
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	7	0.8
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	7	0.8
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	13	0.8
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	13	0.8
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	13	0.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	6	0.8
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	18	0.8
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	18	0.8
(1,76)	1:359:A:VAL:HB	1:463:A:SER:H	13	0.8
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	16	0.8
(1,3131)	1:458:A:CYS:H	1:459:A:ASP:HB2	15	0.79
(1,3131)	1:458:A:CYS:H	1:459:A:ASP:HB3	15	0.79
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	7	0.79
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	7	0.79
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	17	0.79
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	17	0.79
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	3	0.79
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	3	0.79
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	3	0.79
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	3	0.79
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	3	0.79
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	3	0.79
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	6	0.79
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	6	0.79
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	6	0.79
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	6	0.79
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	6	0.79
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	6	0.79
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	8	0.79
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	8	0.79
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	8	0.79
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	8	0.79
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	8	0.79
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	8	0.79
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	18	0.79
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	18	0.79
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	18	0.79
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	18	0.79
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	18	0.79
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	18	0.79
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD11	4	0.79
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD12	4	0.79
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD13	4	0.79
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD21	4	0.79
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD22	4	0.79
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD23	4	0.79
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	1	0.79

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	1	0.79
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	13	0.79
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	13	0.79
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	13	0.79
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	17	0.79
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	17	0.79
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	17	0.79
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	10	0.79
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	18	0.79
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	18	0.79
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	18	0.79
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	17	0.79
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	17	0.79
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	17	0.79
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	6	0.79
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	18	0.79
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	18	0.79
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	14	0.78
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	14	0.78
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	14	0.78
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	14	0.78
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	14	0.78
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	14	0.78
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD2	9	0.78
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD3	9	0.78
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD2	9	0.78
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD3	9	0.78
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	3	0.78
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	3	0.78
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	3	0.78
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	3	0.78
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	3	0.78
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	3	0.78
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	16	0.78
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	16	0.78
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	2	0.78
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	1	0.78
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	1	0.78
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	1	0.78
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	9	0.78
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	9	0.78
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	9	0.78

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	5	0.78
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	5	0.78
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	5	0.78
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	4	0.78
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	15	0.78
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	14	0.78
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	14	0.78
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	14	0.78
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	7	0.78
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	7	0.78
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	7	0.78
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	13	0.78
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	13	0.78
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	13	0.78
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	11	0.78
(1,1088)	1:412:A:TYR:H	1:412:A:TYR:HE1	11	0.78
(1,1088)	1:412:A:TYR:H	1:412:A:TYR:HE1	17	0.78
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	3	0.78
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	8	0.78
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	18	0.78
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	12	0.78
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	15	0.78
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	15	0.78
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	15	0.78
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	18	0.78
(1,76)	1:359:A:VAL:HB	1:463:A:SER:H	6	0.78
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	13	0.78
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	13	0.78
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	13	0.78
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	16	0.77
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	16	0.77
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	16	0.77
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	16	0.77
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	16	0.77
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	16	0.77
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	9	0.77
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	9	0.77
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	9	0.77
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	9	0.77
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	9	0.77
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	9	0.77
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	11	0.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	11	0.77
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	11	0.77
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	11	0.77
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	11	0.77
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	11	0.77
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	11	0.77
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	11	0.77
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	11	0.77
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	11	0.77
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	11	0.77
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	11	0.77
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	18	0.77
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	18	0.77
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	18	0.77
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	18	0.77
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	18	0.77
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	18	0.77
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD11	3	0.77
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD12	3	0.77
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD13	3	0.77
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD21	3	0.77
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD22	3	0.77
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD23	3	0.77
(1,2275)	1:422:A:VAL:HG11	1:435:A:GLN:HA	19	0.77
(1,2275)	1:422:A:VAL:HG12	1:435:A:GLN:HA	19	0.77
(1,2275)	1:422:A:VAL:HG13	1:435:A:GLN:HA	19	0.77
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	12	0.77
(1,2116)	1:442:A:ALA:HA	1:446:A:LEU:HG	17	0.77
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	6	0.77
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	6	0.77
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	6	0.77
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	11	0.77
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	11	0.77
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	11	0.77
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	8	0.77
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD21	5	0.77
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD22	5	0.77
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD23	5	0.77
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	19	0.77
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	15	0.77
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	15	0.77
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	15	0.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	15	0.77
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	20	0.77
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	20	0.77
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	20	0.77
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	9	0.77
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	10	0.77
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	3	0.77
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	13	0.76
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	13	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	3	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	3	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	3	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	3	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	3	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	3	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	9	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	9	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	9	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	9	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	9	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	9	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	10	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	10	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	10	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	10	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	10	0.76
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	10	0.76
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD2	11	0.76
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD3	11	0.76
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD2	11	0.76
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD3	11	0.76
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	5	0.76
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	5	0.76
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	5	0.76
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	5	0.76
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	5	0.76
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	5	0.76
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	7	0.76
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	7	0.76
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	7	0.76
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	7	0.76
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	7	0.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	7	0.76
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	10	0.76
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	10	0.76
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	10	0.76
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	10	0.76
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	10	0.76
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	10	0.76
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	12	0.76
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	12	0.76
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	12	0.76
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	12	0.76
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	12	0.76
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	12	0.76
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	20	0.76
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	20	0.76
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	2	0.76
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	2	0.76
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	2	0.76
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	2	0.76
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	2	0.76
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	2	0.76
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	2	0.76
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	2	0.76
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	2	0.76
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	19	0.76
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	19	0.76
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	19	0.76
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	19	0.76
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	19	0.76
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	19	0.76
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	19	0.76
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	19	0.76
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	19	0.76
(1,2116)	1:442:A:ALA:HA	1:446:A:LEU:HG	7	0.76
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	17	0.76
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	17	0.76
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	17	0.76
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	8	0.76
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	8	0.76
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	9	0.76
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	17	0.76
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	2	0.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	2	0.76
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	2	0.76
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	9	0.76
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	9	0.76
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	9	0.76
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	3	0.76
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	18	0.76
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	11	0.76
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	10	0.76
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	10	0.76
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD21	18	0.76
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD22	18	0.76
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	2	0.76
(1,230)	1:412:A:TYR:H	1:412:A:TYR:HD1	8	0.76
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	3	0.76
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	3	0.76
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	3	0.76
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD11	18	0.75
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD12	18	0.75
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD13	18	0.75
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD21	18	0.75
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD22	18	0.75
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD23	18	0.75
(1,2925)	1:414:A:LYS:HG2	1:415:A:PRO:HA	14	0.75
(1,2925)	1:414:A:LYS:HG3	1:415:A:PRO:HA	14	0.75
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	20	0.75
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	20	0.75
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	20	0.75
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	20	0.75
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	20	0.75
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	20	0.75
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	14	0.75
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	14	0.75
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	16	0.75
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	16	0.75
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	14	0.75
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	14	0.75
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	14	0.75
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	14	0.75
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	14	0.75
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	14	0.75
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	11	0.75

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	20	0.75
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	20	0.75
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	20	0.75
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	3	0.75
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	3	0.75
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	3	0.75
(1,1725)	1:466:A:PRO:HA	1:467:A:PHE:HD1	1	0.75
(1,1122)	1:447:A:ARG:HD2	1:448:A:PHE:H	15	0.75
(1,1122)	1:447:A:ARG:HD3	1:448:A:PHE:H	15	0.75
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	7	0.75
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	20	0.75
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	9	0.75
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	9	0.75
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	9	0.75
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	9	0.75
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	9	0.75
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	15	0.75
(1,76)	1:359:A:VAL:HB	1:463:A:SER:H	7	0.75
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	16	0.75
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	16	0.75
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	16	0.75
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	3	0.74
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	3	0.74
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	10	0.74
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	10	0.74
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	17	0.74
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	17	0.74
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	2	0.74
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	2	0.74
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	2	0.74
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	2	0.74
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	2	0.74
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	2	0.74
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	12	0.74
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	12	0.74
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	12	0.74
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	12	0.74
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	12	0.74
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	12	0.74
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	4	0.74
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	4	0.74
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	4	0.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	4	0.74
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	4	0.74
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	4	0.74
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	12	0.74
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	12	0.74
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	12	0.74
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	12	0.74
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	12	0.74
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	12	0.74
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	15	0.74
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	15	0.74
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	15	0.74
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	15	0.74
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	15	0.74
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	15	0.74
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	20	0.74
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	20	0.74
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	20	0.74
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	20	0.74
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	20	0.74
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	20	0.74
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	1	0.74
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	1	0.74
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	1	0.74
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	1	0.74
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	1	0.74
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	1	0.74
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	17	0.74
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	17	0.74
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	20	0.74
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	20	0.74
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	20	0.74
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	20	0.74
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	20	0.74
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	20	0.74
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	20	0.74
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	20	0.74
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	20	0.74
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	20	0.74
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	10	0.74
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	10	0.74
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	10	0.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	7	0.74
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	7	0.74
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	7	0.74
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	15	0.74
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	15	0.74
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	15	0.74
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	3	0.74
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	3	0.74
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	3	0.74
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	7	0.74
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	7	0.74
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	7	0.74
(1,1088)	1:412:A:TYR:H	1:412:A:TYR:HE1	6	0.74
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	10	0.74
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	12	0.74
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	12	0.74
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	12	0.74
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	10	0.74
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	2	0.74
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	8	0.73
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	8	0.73
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	6	0.73
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	6	0.73
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	6	0.73
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	6	0.73
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	6	0.73
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	6	0.73
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD2	6	0.73
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD3	6	0.73
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD2	6	0.73
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD3	6	0.73
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	15	0.73
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	15	0.73
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	15	0.73
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	15	0.73
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	15	0.73
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	15	0.73
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	19	0.73
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	19	0.73
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	19	0.73
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	19	0.73
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	19	0.73

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	19	0.73
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD11	13	0.73
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD12	13	0.73
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD13	13	0.73
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD21	13	0.73
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD22	13	0.73
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD23	13	0.73
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	8	0.73
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	8	0.73
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	8	0.73
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	8	0.73
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	8	0.73
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	8	0.73
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	2	0.73
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	2	0.73
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	15	0.73
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	15	0.73
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	3	0.73
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	3	0.73
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	3	0.73
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	3	0.73
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	3	0.73
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	3	0.73
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	3	0.73
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	3	0.73
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	3	0.73
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	16	0.73
(1,2116)	1:442:A:ALA:HA	1:446:A:LEU:HG	16	0.73
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	3	0.73
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	3	0.73
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	3	0.73
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	1	0.73
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	1	0.73
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	1	0.73
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	1	0.73
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	16	0.73
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	20	0.73
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	20	0.73
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	20	0.73
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	18	0.73
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	18	0.73
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	18	0.73

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	15	0.73
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	15	0.73
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	15	0.73
(1,1297)	1:446:A:LEU:HD11	1:464:A:SER:HA	17	0.73
(1,1297)	1:446:A:LEU:HD12	1:464:A:SER:HA	17	0.73
(1,1297)	1:446:A:LEU:HD13	1:464:A:SER:HA	17	0.73
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD21	12	0.73
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD22	12	0.73
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	4	0.73
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	9	0.73
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	16	0.73
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	16	0.73
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	16	0.73
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	16	0.73
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	8	0.73
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	8	0.73
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	8	0.73
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	3	0.73
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	15	0.73
(1,76)	1:359:A:VAL:HB	1:463:A:SER:H	17	0.73
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	18	0.72
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	18	0.72
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	18	0.72
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	18	0.72
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	18	0.72
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	18	0.72
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	13	0.72
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	13	0.72
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	13	0.72
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	13	0.72
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	13	0.72
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	13	0.72
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	12	0.72
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	12	0.72
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	12	0.72
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	12	0.72
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	12	0.72
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	12	0.72
(1,2594)	1:370:A:HIS:HB2	1:456:A:LEU:HA	12	0.72
(1,2594)	1:370:A:HIS:HB3	1:456:A:LEU:HA	12	0.72
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	18	0.72
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	18	0.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	18	0.72
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	18	0.72
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	18	0.72
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	18	0.72
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	3	0.72
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	3	0.72
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	3	0.72
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	3	0.72
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	3	0.72
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	3	0.72
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	6	0.72
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	6	0.72
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	6	0.72
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	6	0.72
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	6	0.72
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	6	0.72
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	12	0.72
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	12	0.72
(1,2301)	1:359:A:VAL:HB	1:360:A:TYR:HB2	13	0.72
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	3	0.72
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	3	0.72
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	3	0.72
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	9	0.72
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	6	0.72
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	17	0.72
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	4	0.72
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	4	0.72
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	4	0.72
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	14	0.72
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	3	0.72
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	3	0.72
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	3	0.72
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	12	0.72
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	12	0.72
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	6	0.72
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	6	0.72
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	6	0.72
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	17	0.72
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	17	0.72
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	17	0.72
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	18	0.72
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	18	0.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	18	0.72
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	4	0.72
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	10	0.72
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	16	0.72
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	5	0.72
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	5	0.72
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	5	0.72
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	5	0.72
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	6	0.72
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	6	0.72
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	6	0.72
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	6	0.72
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	17	0.72
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	16	0.72
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	16	0.72
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	16	0.72
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	17	0.72
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	19	0.72
(1,230)	1:412:A:TYR:H	1:412:A:TYR:HD1	19	0.72
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	15	0.72
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	15	0.72
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	15	0.72
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	17	0.71
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	17	0.71
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	20	0.71
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	20	0.71
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	7	0.71
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	7	0.71
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	11	0.71
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	11	0.71
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	8	0.71
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	8	0.71
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	11	0.71
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	11	0.71
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	19	0.71
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	19	0.71
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	19	0.71
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	19	0.71
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	19	0.71
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	19	0.71
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	1	0.71
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	1	0.71

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	1	0.71
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	1	0.71
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	1	0.71
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	1	0.71
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	20	0.71
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	20	0.71
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	20	0.71
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	20	0.71
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	20	0.71
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	20	0.71
(1,2301)	1:359:A:VAL:HB	1:360:A:TYR:HB2	2	0.71
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	17	0.71
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	17	0.71
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	17	0.71
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	17	0.71
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	17	0.71
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	17	0.71
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	17	0.71
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	17	0.71
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	17	0.71
(1,2086)	1:412:A:TYR:HA	1:413:A:LEU:HG	12	0.71
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	11	0.71
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	11	0.71
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	11	0.71
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	13	0.71
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	13	0.71
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	13	0.71
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	18	0.71
(1,1730)	1:411:A:GLY:HA3	1:412:A:TYR:HD1	9	0.71
(1,1730)	1:411:A:GLY:HA2	1:412:A:TYR:HD1	9	0.71
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	5	0.71
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	5	0.71
(1,1570)	1:379:A:LEU:HD11	1:380:A:PRO:HA	5	0.71
(1,1570)	1:379:A:LEU:HD12	1:380:A:PRO:HA	5	0.71
(1,1570)	1:379:A:LEU:HD13	1:380:A:PRO:HA	5	0.71
(1,1570)	1:379:A:LEU:HD11	1:380:A:PRO:HA	19	0.71
(1,1570)	1:379:A:LEU:HD12	1:380:A:PRO:HA	19	0.71
(1,1570)	1:379:A:LEU:HD13	1:380:A:PRO:HA	19	0.71
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	1	0.71
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	1	0.71
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	1	0.71
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	6	0.71

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	6	0.71
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	6	0.71
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	3	0.71
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	11	0.71
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	14	0.71
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	17	0.71
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	15	0.71
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	3	0.71
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	9	0.71
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	8	0.71
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	13	0.71
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	19	0.71
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	10	0.71
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	10	0.71
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	12	0.71
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	8	0.71
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	8	0.71
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	8	0.71
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	8	0.7
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	8	0.7
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	8	0.7
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	8	0.7
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	8	0.7
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	8	0.7
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD2	16	0.7
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD3	16	0.7
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD2	16	0.7
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD3	16	0.7
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	2	0.7
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	2	0.7
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	2	0.7
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	2	0.7
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	2	0.7
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	2	0.7
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	1	0.7
(1,2301)	1:359:A:VAL:HB	1:360:A:TYR:HB2	7	0.7
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	17	0.7
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	17	0.7
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	17	0.7
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD21	12	0.7
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD22	12	0.7
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD23	12	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	7	0.7
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	7	0.7
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	7	0.7
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	12	0.7
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	12	0.7
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	12	0.7
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD11	10	0.7
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD12	10	0.7
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD13	10	0.7
(1,1297)	1:446:A:LEU:HD11	1:464:A:SER:HA	16	0.7
(1,1297)	1:446:A:LEU:HD12	1:464:A:SER:HA	16	0.7
(1,1297)	1:446:A:LEU:HD13	1:464:A:SER:HA	16	0.7
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	5	0.7
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	1	0.7
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	1	0.7
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	1	0.7
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	17	0.7
(1,337)	1:459:A:ASP:H	1:460:A:ASN:HD21	13	0.7
(1,337)	1:459:A:ASP:H	1:460:A:ASN:HD22	13	0.7
(1,230)	1:412:A:TYR:H	1:412:A:TYR:HD1	4	0.7
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	17	0.7
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	8	0.7
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	12	0.69
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	12	0.69
(1,2850)	1:400:A:VAL:HG11	1:426:A:SER:H	20	0.69
(1,2850)	1:400:A:VAL:HG12	1:426:A:SER:H	20	0.69
(1,2850)	1:400:A:VAL:HG13	1:426:A:SER:H	20	0.69
(1,2850)	1:400:A:VAL:HG21	1:426:A:SER:H	20	0.69
(1,2850)	1:400:A:VAL:HG22	1:426:A:SER:H	20	0.69
(1,2850)	1:400:A:VAL:HG23	1:426:A:SER:H	20	0.69
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD2	18	0.69
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD3	18	0.69
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD2	18	0.69
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD3	18	0.69
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	6	0.69
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	6	0.69
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	10	0.69
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	18	0.69
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	20	0.69
(1,2301)	1:359:A:VAL:HB	1:360:A:TYR:HB2	6	0.69
(1,2294)	1:359:A:VAL:HA	1:360:A:TYR:HD1	19	0.69
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	1	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	4	0.69
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	4	0.69
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	4	0.69
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	4	0.69
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	4	0.69
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	4	0.69
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	4	0.69
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	4	0.69
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	4	0.69
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	14	0.69
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	4	0.69
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	4	0.69
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	4	0.69
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	12	0.69
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	12	0.69
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	12	0.69
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	19	0.69
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	19	0.69
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	19	0.69
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	18	0.69
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	18	0.69
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	18	0.69
(1,1788)	1:406:A:THR:HB	1:407:A:LYS:HD2	13	0.69
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	13	0.69
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	13	0.69
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	13	0.69
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	11	0.69
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	11	0.69
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	11	0.69
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	14	0.69
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	14	0.69
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	14	0.69
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	10	0.69
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	10	0.69
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	10	0.69
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	12	0.69
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	12	0.69
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	12	0.69
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	1	0.69
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	3	0.69
(1,1088)	1:412:A:TYR:H	1:412:A:TYR:HE1	10	0.69
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	15	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	4	0.69
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	6	0.69
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	6	0.69
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	6	0.69
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	19	0.69
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	19	0.69
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	19	0.69
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	10	0.69
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	18	0.69
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	9	0.69
(1,230)	1:412:A:TYR:H	1:412:A:TYR:HD1	18	0.69
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	15	0.69
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD11	18	0.68
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD12	18	0.68
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD13	18	0.68
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD21	18	0.68
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD22	18	0.68
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD23	18	0.68
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	9	0.68
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	9	0.68
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	7	0.68
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	7	0.68
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	7	0.68
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	7	0.68
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	7	0.68
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	7	0.68
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	8	0.68
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	8	0.68
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	8	0.68
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	8	0.68
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	8	0.68
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	8	0.68
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	8	0.68
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	8	0.68
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	8	0.68
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	8	0.68
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	8	0.68
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	8	0.68
(1,2301)	1:359:A:VAL:HB	1:360:A:TYR:HB2	16	0.68
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	5	0.68
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	11	0.68
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	11	0.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	11	0.68
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	11	0.68
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	11	0.68
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	11	0.68
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	11	0.68
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	11	0.68
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	11	0.68
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	14	0.68
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	14	0.68
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	14	0.68
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	14	0.68
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	14	0.68
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	14	0.68
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	14	0.68
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	14	0.68
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	14	0.68
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	2	0.68
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	5	0.68
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	5	0.68
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	5	0.68
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	18	0.68
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	18	0.68
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	18	0.68
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	1	0.68
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	16	0.68
(1,1753)	1:360:A:TYR:HE1	1:466:A:PRO:HB3	18	0.68
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	6	0.68
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	6	0.68
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	6	0.68
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD11	17	0.68
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD12	17	0.68
(1,1748)	1:391:A:VAL:HA	1:395:A:ILE:HD13	17	0.68
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	8	0.68
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	8	0.68
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	8	0.68
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	17	0.68
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	17	0.68
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	17	0.68
(1,1140)	1:466:A:PRO:HG2	1:468:A:SER:H	19	0.68
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	12	0.68
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	5	0.68
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	6	0.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	7	0.68
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	5	0.68
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	16	0.68
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	14	0.68
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	8	0.68
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	8	0.68
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	2	0.68
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	2	0.68
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	8	0.68
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	3	0.68
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	3	0.68
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	3	0.68
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	20	0.68
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	20	0.68
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	20	0.68
(1,28)	1:367:A:PHE:HE1	1:368:A:GLY:H	3	0.68
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	16	0.67
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	16	0.67
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	15	0.67
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	15	0.67
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	15	0.67
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	15	0.67
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	15	0.67
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	15	0.67
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	10	0.67
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	10	0.67
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	10	0.67
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	10	0.67
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	10	0.67
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	10	0.67
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	16	0.67
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	16	0.67
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	16	0.67
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	16	0.67
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	16	0.67
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	16	0.67
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	16	0.67
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	16	0.67
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	16	0.67
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	16	0.67
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	16	0.67
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	16	0.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	4	0.67
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	12	0.67
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	12	0.67
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	12	0.67
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	12	0.67
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	12	0.67
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	12	0.67
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	12	0.67
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	12	0.67
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	12	0.67
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	12	0.67
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	8	0.67
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	4	0.67
(1,2116)	1:442:A:ALA:HA	1:446:A:LEU:HG	12	0.67
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD21	17	0.67
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD22	17	0.67
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD23	17	0.67
(1,2086)	1:412:A:TYR:HA	1:413:A:LEU:HG	2	0.67
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	9	0.67
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	9	0.67
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	9	0.67
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB1	4	0.67
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB2	4	0.67
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB3	4	0.67
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	13	0.67
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	13	0.67
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	2	0.67
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	2	0.67
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	2	0.67
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	13	0.67
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD21	20	0.67
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD22	20	0.67
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD23	20	0.67
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	19	0.67
(1,1096)	1:418:A:ARG:H	1:420:A:GLY:H	2	0.67
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	16	0.67
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	20	0.67
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	4	0.67
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	14	0.67
(1,1013)	1:354:A:MET:HG3	1:389:A:ASN:H	14	0.67
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	5	0.67
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	5	0.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	5	0.67
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	5	0.67
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	2	0.67
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	2	0.67
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	2	0.67
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	10	0.67
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	18	0.67
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	5	0.67
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	5	0.67
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	5	0.67
(1,628)	1:367:A:PHE:H	1:367:A:PHE:HE1	5	0.67
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	5	0.67
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	19	0.67
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	14	0.67
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	14	0.67
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	14	0.67
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD2	13	0.66
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD3	13	0.66
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD2	13	0.66
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD3	13	0.66
(1,2707)	1:390:A:VAL:HG11	1:392:A:LEU:H	19	0.66
(1,2707)	1:390:A:VAL:HG12	1:392:A:LEU:H	19	0.66
(1,2707)	1:390:A:VAL:HG13	1:392:A:LEU:H	19	0.66
(1,2707)	1:390:A:VAL:HG21	1:392:A:LEU:H	19	0.66
(1,2707)	1:390:A:VAL:HG22	1:392:A:LEU:H	19	0.66
(1,2707)	1:390:A:VAL:HG23	1:392:A:LEU:H	19	0.66
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	19	0.66
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	11	0.66
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	11	0.66
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	11	0.66
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	20	0.66
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	20	0.66
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	20	0.66
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	16	0.66
(1,2116)	1:442:A:ALA:HA	1:446:A:LEU:HG	8	0.66
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	15	0.66
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	15	0.66
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	15	0.66
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	15	0.66
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	11	0.66
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	11	0.66
(1,1873)	1:448:A:PHE:HA	1:451:A:ASN:H	2	0.66

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	7	0.66
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	9	0.66
(1,1567)	1:355:A:SER:HB2	1:440:A:ASN:HA	12	0.66
(1,1567)	1:355:A:SER:HB3	1:440:A:ASN:HA	12	0.66
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	7	0.66
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	7	0.66
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	7	0.66
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	19	0.66
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	19	0.66
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	19	0.66
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD21	3	0.66
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD22	3	0.66
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD23	3	0.66
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD21	17	0.66
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD22	17	0.66
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD23	17	0.66
(1,1122)	1:447:A:ARG:HD2	1:448:A:PHE:H	5	0.66
(1,1122)	1:447:A:ARG:HD3	1:448:A:PHE:H	5	0.66
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	5	0.66
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	18	0.66
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	16	0.66
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	6	0.66
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	12	0.66
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	11	0.66
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	6	0.66
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	8	0.66
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	8	0.66
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	8	0.66
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	8	0.66
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	13	0.66
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	13	0.66
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	13	0.66
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	17	0.66
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	18	0.66
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	8	0.66
(1,76)	1:359:A:VAL:HB	1:463:A:SER:H	16	0.66
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	15	0.66
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	18	0.65
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	18	0.65
(1,2848)	1:400:A:VAL:HG11	1:425:A:ALA:HA	2	0.65
(1,2848)	1:400:A:VAL:HG12	1:425:A:ALA:HA	2	0.65
(1,2848)	1:400:A:VAL:HG13	1:425:A:ALA:HA	2	0.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:400:A:VAL:HG21	1:425:A:ALA:HA	2	0.65
(1,2848)	1:400:A:VAL:HG22	1:425:A:ALA:HA	2	0.65
(1,2848)	1:400:A:VAL:HG23	1:425:A:ALA:HA	2	0.65
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	14	0.65
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	14	0.65
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	14	0.65
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	14	0.65
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	14	0.65
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	14	0.65
(1,2594)	1:370:A:HIS:HB2	1:456:A:LEU:HA	16	0.65
(1,2594)	1:370:A:HIS:HB3	1:456:A:LEU:HA	16	0.65
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	19	0.65
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	19	0.65
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	9	0.65
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	15	0.65
(1,2301)	1:359:A:VAL:HB	1:360:A:TYR:HB2	17	0.65
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	11	0.65
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	9	0.65
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	13	0.65
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	1	0.65
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	1	0.65
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	1	0.65
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	1	0.65
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	1	0.65
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	1	0.65
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	1	0.65
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	1	0.65
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	1	0.65
(1,2116)	1:442:A:ALA:HA	1:446:A:LEU:HG	14	0.65
(1,2086)	1:412:A:TYR:HA	1:413:A:LEU:HG	5	0.65
(1,2086)	1:412:A:TYR:HA	1:413:A:LEU:HG	14	0.65
(1,2044)	1:449:A:LEU:H	1:450:A:GLU:HG3	6	0.65
(1,2044)	1:449:A:LEU:H	1:450:A:GLU:HG3	20	0.65
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	8	0.65
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	8	0.65
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	8	0.65
(1,1682)	1:407:A:LYS:HD2	1:427:A:PHE:HD1	12	0.65
(1,1682)	1:407:A:LYS:HD3	1:427:A:PHE:HD1	12	0.65
(1,1682)	1:407:A:LYS:HD2	1:427:A:PHE:HD1	20	0.65
(1,1682)	1:407:A:LYS:HD3	1:427:A:PHE:HD1	20	0.65
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	13	0.65
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	13	0.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	11	0.65
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	11	0.65
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	11	0.65
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	13	0.65
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	2	0.65
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	3	0.65
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	7	0.65
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	18	0.65
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	18	0.65
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	18	0.65
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	18	0.65
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	1	0.65
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	8	0.65
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	19	0.65
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	5	0.65
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	14	0.65
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	15	0.65
(1,34)	1:427:A:PHE:HA	1:429:A:GLY:H	12	0.65
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	20	0.65
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	20	0.65
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	20	0.65
(1,3114)	1:453:A:CYS:HB2	1:459:A:ASP:HA	17	0.64
(1,3114)	1:453:A:CYS:HB3	1:459:A:ASP:HA	17	0.64
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD11	16	0.64
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD12	16	0.64
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD13	16	0.64
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD21	16	0.64
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD22	16	0.64
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD23	16	0.64
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD11	16	0.64
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD12	16	0.64
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD13	16	0.64
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD21	16	0.64
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD22	16	0.64
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD23	16	0.64
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	1	0.64
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	1	0.64
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	1	0.64
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	1	0.64
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	1	0.64
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	1	0.64
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	12	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	12	0.64
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	12	0.64
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	12	0.64
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	12	0.64
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	12	0.64
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	1	0.64
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	1	0.64
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	1	0.64
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	1	0.64
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	1	0.64
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	1	0.64
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD11	7	0.64
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD12	7	0.64
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD13	7	0.64
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD21	7	0.64
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD22	7	0.64
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD23	7	0.64
(1,2301)	1:359:A:VAL:HB	1:360:A:TYR:HB2	3	0.64
(1,2086)	1:412:A:TYR:HA	1:413:A:LEU:HG	10	0.64
(1,2086)	1:412:A:TYR:HA	1:413:A:LEU:HG	15	0.64
(1,2044)	1:449:A:LEU:H	1:450:A:GLU:HG3	17	0.64
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	4	0.64
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	4	0.64
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	12	0.64
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	12	0.64
(1,1950)	1:374:A:LYS:HE2	1:375:A:ARG:HD2	9	0.64
(1,1950)	1:374:A:LYS:HE3	1:375:A:ARG:HD2	9	0.64
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	8	0.64
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	8	0.64
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	8	0.64
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	20	0.64
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	20	0.64
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	20	0.64
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	13	0.64
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	13	0.64
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	13	0.64
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	18	0.64
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	5	0.64
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	5	0.64
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	5	0.64
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	9	0.64
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	9	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	9	0.64
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	14	0.64
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	14	0.64
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	14	0.64
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD21	13	0.64
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD22	13	0.64
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD23	13	0.64
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	16	0.64
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	20	0.64
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	6	0.64
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	13	0.64
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	13	0.64
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	13	0.64
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	13	0.64
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	3	0.64
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	9	0.64
(1,946)	1:387:A:PRO:HG2	1:391:A:VAL:H	5	0.64
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD21	15	0.64
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD22	15	0.64
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	2	0.64
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	2	0.64
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	18	0.64
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD21	2	0.64
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD22	2	0.64
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD23	2	0.64
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	3	0.64
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	17	0.64
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	17	0.64
(1,467)	1:355:A:SER:HB2	1:388:A:VAL:H	13	0.64
(1,467)	1:355:A:SER:HB3	1:388:A:VAL:H	13	0.64
(1,357)	1:434:A:ILE:HG13	1:435:A:GLN:H	17	0.64
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	12	0.64
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	13	0.64
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	12	0.64
(1,3114)	1:453:A:CYS:HB2	1:459:A:ASP:HA	9	0.63
(1,3114)	1:453:A:CYS:HB3	1:459:A:ASP:HA	9	0.63
(1,3056)	1:446:A:LEU:HB2	1:464:A:SER:H	11	0.63
(1,3056)	1:446:A:LEU:HB3	1:464:A:SER:H	11	0.63
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	5	0.63
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	5	0.63
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	5	0.63
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	5	0.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	5	0.63
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	5	0.63
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	13	0.63
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	13	0.63
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	18	0.63
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	18	0.63
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	17	0.63
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	17	0.63
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	17	0.63
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	17	0.63
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	17	0.63
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	17	0.63
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	1	0.63
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	1	0.63
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	1	0.63
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	1	0.63
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	1	0.63
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	1	0.63
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	11	0.63
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	14	0.63
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	6	0.63
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	1	0.63
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	10	0.63
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	2	0.63
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	2	0.63
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	2	0.63
(1,1701)	1:374:A:LYS:HA	1:374:A:LYS:HE2	5	0.63
(1,1701)	1:374:A:LYS:HA	1:374:A:LYS:HE3	5	0.63
(1,1701)	1:374:A:LYS:HA	1:374:A:LYS:HE2	16	0.63
(1,1701)	1:374:A:LYS:HA	1:374:A:LYS:HE3	16	0.63
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	1	0.63
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	1	0.63
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	1	0.63
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	7	0.63
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	15	0.63
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	15	0.63
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	15	0.63
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	3	0.63
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	8	0.63
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	8	0.63
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	8	0.63
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD21	16	0.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD22	16	0.63
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD23	16	0.63
(1,1091)	1:416:A:ASP:HB2	1:418:A:ARG:H	4	0.63
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	5	0.63
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	7	0.63
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	20	0.63
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	9	0.63
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	18	0.63
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	16	0.63
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	16	0.63
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	16	0.63
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	16	0.63
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	7	0.63
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	7	0.63
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	7	0.63
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	2	0.63
(1,868)	1:371:A:LEU:H	1:404:A:LEU:HG	5	0.63
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	15	0.63
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	9	0.63
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	14	0.63
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	8	0.63
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD21	5	0.63
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD22	5	0.63
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD23	5	0.63
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	7	0.63
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	12	0.63
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	17	0.63
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	17	0.63
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	17	0.63
(1,41)	1:419:A:GLY:H	1:437:A:PRO:HA	7	0.63
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	7	0.63
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	7	0.63
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	7	0.63
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	11	0.63
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	11	0.63
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	11	0.63
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	8	0.62
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	8	0.62
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD11	9	0.62
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD12	9	0.62
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD13	9	0.62
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD21	9	0.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD22	9	0.62
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD23	9	0.62
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	11	0.62
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	11	0.62
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	11	0.62
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	11	0.62
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	11	0.62
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	11	0.62
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	9	0.62
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	9	0.62
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	9	0.62
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	9	0.62
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	9	0.62
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	9	0.62
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	16	0.62
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	16	0.62
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	16	0.62
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	16	0.62
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	16	0.62
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	16	0.62
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	5	0.62
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	7	0.62
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	7	0.62
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	7	0.62
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	12	0.62
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	19	0.62
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	8	0.62
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	8	0.62
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	8	0.62
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	8	0.62
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	8	0.62
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	8	0.62
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	8	0.62
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	8	0.62
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	8	0.62
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	15	0.62
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	15	0.62
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	15	0.62
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	15	0.62
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	15	0.62
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	15	0.62
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	15	0.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	15	0.62
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	15	0.62
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	5	0.62
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	14	0.62
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	1	0.62
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	1	0.62
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	1	0.62
(1,2044)	1:449:A:LEU:H	1:450:A:GLU:HG3	5	0.62
(1,1953)	1:374:A:LYS:HB2	1:375:A:ARG:HD3	11	0.62
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	20	0.62
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	16	0.62
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	16	0.62
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	16	0.62
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	19	0.62
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	19	0.62
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	19	0.62
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	10	0.62
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	15	0.62
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	20	0.62
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	20	0.62
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	20	0.62
(1,1470)	1:423:A:ILE:HA	1:434:A:ILE:HG12	17	0.62
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	18	0.62
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	18	0.62
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	18	0.62
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	3	0.62
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	13	0.62
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	20	0.62
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	7	0.62
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	7	0.62
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	7	0.62
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	7	0.62
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	6	0.62
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	6	0.62
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	6	0.62
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	18	0.62
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	18	0.62
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	19	0.62
(1,946)	1:387:A:PRO:HG2	1:391:A:VAL:H	7	0.62
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	16	0.62
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	20	0.62
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	13	0.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	3	0.62
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	3	0.62
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	3	0.62
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	9	0.62
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	1	0.62
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	12	0.62
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	19	0.62
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	7	0.62
(1,230)	1:412:A:TYR:H	1:412:A:TYR:HD1	3	0.62
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	4	0.62
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	18	0.62
(1,151)	1:380:A:PRO:HG2	1:381:A:ASP:H	2	0.62
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	17	0.62
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	17	0.62
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	17	0.62
(1,2850)	1:400:A:VAL:HG11	1:426:A:SER:H	10	0.61
(1,2850)	1:400:A:VAL:HG12	1:426:A:SER:H	10	0.61
(1,2850)	1:400:A:VAL:HG13	1:426:A:SER:H	10	0.61
(1,2850)	1:400:A:VAL:HG21	1:426:A:SER:H	10	0.61
(1,2850)	1:400:A:VAL:HG22	1:426:A:SER:H	10	0.61
(1,2850)	1:400:A:VAL:HG23	1:426:A:SER:H	10	0.61
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	20	0.61
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	20	0.61
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	20	0.61
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	20	0.61
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	20	0.61
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	20	0.61
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	7	0.61
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	7	0.61
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	9	0.61
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	9	0.61
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	9	0.61
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	9	0.61
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	9	0.61
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	9	0.61
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	13	0.61
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	13	0.61
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	13	0.61
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	13	0.61
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	13	0.61
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	13	0.61
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	19	0.61

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	19	0.61
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	19	0.61
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	19	0.61
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	19	0.61
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	19	0.61
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	17	0.61
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	10	0.61
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	14	0.61
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	6	0.61
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	18	0.61
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	19	0.61
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	13	0.61
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	13	0.61
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	5	0.61
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	5	0.61
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	5	0.61
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	1	0.61
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	3	0.61
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	8	0.61
(1,1525)	1:378:A:GLN:H	1:379:A:LEU:HB3	5	0.61
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	3	0.61
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	3	0.61
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	3	0.61
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	12	0.61
(1,1140)	1:466:A:PRO:HG2	1:468:A:SER:H	2	0.61
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	8	0.61
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	9	0.61
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	11	0.61
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	16	0.61
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	8	0.61
(1,1048)	1:388:A:VAL:HB	1:444:A:PHE:H	1	0.61
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	8	0.61
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	8	0.61
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	8	0.61
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	4	0.61
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	5	0.61
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	11	0.61
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	16	0.61
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	16	0.61
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	16	0.61
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	16	0.61
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD21	6	0.61

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD22	6	0.61
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD23	6	0.61
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD21	13	0.61
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD22	13	0.61
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD23	13	0.61
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	13	0.61
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	8	0.61
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	13	0.61
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	17	0.61
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	8	0.61
(1,151)	1:380:A:PRO:HG2	1:381:A:ASP:H	18	0.61
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	10	0.61
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	7	0.61
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	7	0.61
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	7	0.61
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	9	0.61
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	9	0.61
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	9	0.61
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	7	0.6
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	7	0.6
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG2	3	0.6
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG3	3	0.6
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	4	0.6
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	4	0.6
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	4	0.6
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	4	0.6
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	4	0.6
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	4	0.6
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	4	0.6
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	4	0.6
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	4	0.6
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	4	0.6
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	4	0.6
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	4	0.6
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	14	0.6
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	14	0.6
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	14	0.6
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	14	0.6
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	14	0.6
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	14	0.6
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD2	16	0.6
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD3	16	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	8	0.6
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	8	0.6
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	8	0.6
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	8	0.6
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	8	0.6
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	8	0.6
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	8	0.6
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	8	0.6
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	8	0.6
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	8	0.6
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	8	0.6
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	8	0.6
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	8	0.6
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	8	0.6
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	8	0.6
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	8	0.6
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	8	0.6
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	8	0.6
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	4	0.6
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	4	0.6
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	4	0.6
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	4	0.6
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	4	0.6
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	4	0.6
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	4	0.6
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	4	0.6
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	4	0.6
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	4	0.6
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	4	0.6
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	4	0.6
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	17	0.6
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	17	0.6
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	17	0.6
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	17	0.6
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	17	0.6
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	17	0.6
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	3	0.6
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	3	0.6
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	3	0.6
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	3	0.6
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	3	0.6
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	3	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	17	0.6
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	17	0.6
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	17	0.6
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	17	0.6
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	17	0.6
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	17	0.6
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	10	0.6
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	10	0.6
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	10	0.6
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	10	0.6
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	10	0.6
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	10	0.6
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	7	0.6
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	4	0.6
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	17	0.6
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	7	0.6
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	7	0.6
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	7	0.6
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	7	0.6
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	7	0.6
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	7	0.6
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	7	0.6
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	7	0.6
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	7	0.6
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	20	0.6
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	4	0.6
(1,2067)	1:357:A:VAL:HG11	1:391:A:VAL:HB	14	0.6
(1,2067)	1:357:A:VAL:HG12	1:391:A:VAL:HB	14	0.6
(1,2067)	1:357:A:VAL:HG13	1:391:A:VAL:HB	14	0.6
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	1	0.6
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	1	0.6
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	18	0.6
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	11	0.6
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	10	0.6
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	10	0.6
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	10	0.6
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	6	0.6
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	4	0.6
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	1	0.6
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	1	0.6
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	1	0.6
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	1	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	1	0.6
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	1	0.6
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	1	0.6
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	1	0.6
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	1	0.6
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	4	0.6
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	15	0.6
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	19	0.6
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	19	0.6
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	19	0.6
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD21	14	0.6
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD22	14	0.6
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD23	14	0.6
(1,1151)	1:400:A:VAL:HB	1:410:A:PHE:HA	17	0.6
(1,1143)	1:416:A:ASP:H	1:435:A:GLN:HE21	19	0.6
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	17	0.6
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	4	0.6
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	12	0.6
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	2	0.6
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	7	0.6
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	11	0.6
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	11	0.6
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	11	0.6
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	11	0.6
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	15	0.6
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	15	0.6
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	15	0.6
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	15	0.6
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	14	0.6
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	19	0.6
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	19	0.6
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	19	0.6
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	19	0.6
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	3	0.6
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	3	0.6
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	3	0.6
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	17	0.6
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	17	0.6
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	17	0.6
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	18	0.6
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	18	0.6
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	13	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	13	0.6
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	13	0.6
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	18	0.6
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	11	0.6
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	11	0.6
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	11	0.6
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD21	19	0.6
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD22	19	0.6
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD23	19	0.6
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	20	0.6
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	3	0.6
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	20	0.6
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	17	0.6
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	9	0.6
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	11	0.6
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	20	0.6
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	15	0.6
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	15	0.6
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	15	0.6
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	6	0.6
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	7	0.6
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	18	0.6
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	12	0.6
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	13	0.6
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	13	0.6
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	13	0.6
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB2	7	0.59
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB3	7	0.59
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	5	0.59
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	5	0.59
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	1	0.59
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	1	0.59
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	13	0.59
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	13	0.59
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	13	0.59
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	13	0.59
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	13	0.59
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	13	0.59
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	5	0.59
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	5	0.59
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	5	0.59
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	5	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	5	0.59
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	5	0.59
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	20	0.59
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	20	0.59
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	7	0.59
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	7	0.59
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	9	0.59
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	9	0.59
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	9	0.59
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	9	0.59
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	9	0.59
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	9	0.59
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	9	0.59
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	9	0.59
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	9	0.59
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	9	0.59
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	9	0.59
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	9	0.59
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	15	0.59
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	15	0.59
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	15	0.59
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	15	0.59
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	15	0.59
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	15	0.59
(1,2302)	1:359:A:VAL:HB	1:383:A:PHE:HB3	8	0.59
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	8	0.59
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	8	0.59
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	8	0.59
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	8	0.59
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	8	0.59
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	8	0.59
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	8	0.59
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	8	0.59
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	8	0.59
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	9	0.59
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	9	0.59
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	9	0.59
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	16	0.59
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	16	0.59
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	16	0.59
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	16	0.59
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	16	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	16	0.59
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	16	0.59
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	16	0.59
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	16	0.59
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	18	0.59
(1,2086)	1:412:A:TYR:HA	1:413:A:LEU:HG	7	0.59
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	11	0.59
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	11	0.59
(1,2044)	1:449:A:LEU:H	1:450:A:GLU:HG3	13	0.59
(1,2044)	1:449:A:LEU:H	1:450:A:GLU:HG3	18	0.59
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	2	0.59
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	2	0.59
(1,1953)	1:374:A:LYS:HB2	1:375:A:ARG:HD3	12	0.59
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	6	0.59
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	11	0.59
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	19	0.59
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	20	0.59
(1,1634)	1:380:A:PRO:HG3	1:383:A:PHE:HA	20	0.59
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	20	0.59
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	18	0.59
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	18	0.59
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	18	0.59
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	14	0.59
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB2	4	0.59
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB3	4	0.59
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD21	10	0.59
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD22	10	0.59
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD23	10	0.59
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	4	0.59
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	14	0.59
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	19	0.59
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	1	0.59
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	11	0.59
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	20	0.59
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	20	0.59
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	20	0.59
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	20	0.59
(1,946)	1:387:A:PRO:HG2	1:391:A:VAL:H	4	0.59
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	6	0.59
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD21	1	0.59
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD22	1	0.59
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	16	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	16	0.59
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	2	0.59
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD21	15	0.59
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD22	15	0.59
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD23	15	0.59
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	4	0.59
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	11	0.59
(1,590)	1:375:A:ARG:HD2	1:376:A:ILE:H	17	0.59
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	5	0.59
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	16	0.59
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	11	0.59
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	11	0.59
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	13	0.59
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	13	0.59
(1,479)	1:361:A:VAL:H	1:381:A:ASP:HA	15	0.59
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	17	0.59
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	5	0.59
(1,343)	1:422:A:VAL:H	1:422:A:VAL:HB	19	0.59
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	12	0.59
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	8	0.59
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	8	0.59
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	8	0.59
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	18	0.59
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	18	0.59
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	18	0.59
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	15	0.59
(1,41)	1:419:A:GLY:H	1:437:A:PRO:HA	19	0.59
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	4	0.59
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	4	0.59
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	4	0.59
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	5	0.59
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	5	0.59
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	5	0.59
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB2	3	0.58
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB3	3	0.58
(1,3143)	1:460:A:ASN:HB2	1:461:A:LEU:HA	17	0.58
(1,3143)	1:460:A:ASN:HB3	1:461:A:LEU:HA	17	0.58
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD11	10	0.58
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD12	10	0.58
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD13	10	0.58
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD21	10	0.58
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD22	10	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD23	10	0.58
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	15	0.58
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	15	0.58
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	15	0.58
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	15	0.58
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	15	0.58
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	15	0.58
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	17	0.58
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	17	0.58
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	17	0.58
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	17	0.58
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	17	0.58
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	17	0.58
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	17	0.58
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	17	0.58
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	17	0.58
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	17	0.58
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	17	0.58
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	17	0.58
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	17	0.58
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	17	0.58
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	17	0.58
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	17	0.58
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	17	0.58
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	17	0.58
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	3	0.58
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	3	0.58
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	3	0.58
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	3	0.58
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	3	0.58
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	3	0.58
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	16	0.58
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	16	0.58
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	16	0.58
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	16	0.58
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	16	0.58
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	16	0.58
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	9	0.58
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	9	0.58
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	9	0.58
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	9	0.58
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	9	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	9	0.58
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	9	0.58
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	9	0.58
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	9	0.58
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	9	0.58
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	9	0.58
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	9	0.58
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	9	0.58
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	9	0.58
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	9	0.58
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	9	0.58
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	9	0.58
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	9	0.58
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	17	0.58
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	17	0.58
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	17	0.58
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	17	0.58
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	17	0.58
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	17	0.58
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	16	0.58
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	16	0.58
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	10	0.58
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	10	0.58
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	10	0.58
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	10	0.58
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	10	0.58
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	10	0.58
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	19	0.58
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	19	0.58
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	19	0.58
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	19	0.58
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	19	0.58
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	19	0.58
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	1	0.58
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	1	0.58
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	3	0.58
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	3	0.58
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	2	0.58
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	2	0.58
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	2	0.58
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	2	0.58
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	2	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	2	0.58
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	7	0.58
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	7	0.58
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	7	0.58
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	7	0.58
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	7	0.58
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	7	0.58
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	18	0.58
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	18	0.58
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	18	0.58
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	18	0.58
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	18	0.58
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	18	0.58
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	14	0.58
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	14	0.58
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	14	0.58
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	14	0.58
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	14	0.58
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	14	0.58
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	20	0.58
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	14	0.58
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	14	0.58
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	14	0.58
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	10	0.58
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	10	0.58
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	10	0.58
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	10	0.58
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	10	0.58
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	10	0.58
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	10	0.58
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	10	0.58
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	10	0.58
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	11	0.58
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	11	0.58
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	20	0.58
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	17	0.58
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	17	0.58
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	17	0.58
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	9	0.58
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	9	0.58
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	9	0.58
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	9	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	9	0.58
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	9	0.58
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	9	0.58
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	9	0.58
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	9	0.58
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	19	0.58
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	19	0.58
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	19	0.58
(1,2086)	1:412:A:TYR:HA	1:413:A:LEU:HG	17	0.58
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	6	0.58
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	7	0.58
(1,2044)	1:449:A:LEU:H	1:450:A:GLU:HG3	2	0.58
(1,2044)	1:449:A:LEU:H	1:450:A:GLU:HG3	8	0.58
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	11	0.58
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	17	0.58
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	12	0.58
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	12	0.58
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	12	0.58
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	16	0.58
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	16	0.58
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	16	0.58
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	1	0.58
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	7	0.58
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	19	0.58
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	5	0.58
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	1	0.58
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	5	0.58
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	17	0.58
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	15	0.58
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	10	0.58
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	10	0.58
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	5	0.58
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	11	0.58
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	14	0.58
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	9	0.58
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	9	0.58
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	9	0.58
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	14	0.58
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	4	0.58
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	3	0.58
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	9	0.58
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	15	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	15	0.58
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	7	0.58
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	13	0.58
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD21	6	0.58
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD22	6	0.58
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	10	0.58
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	10	0.58
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	10	0.58
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	10	0.58
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	2	0.58
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	16	0.58
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	16	0.58
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	16	0.58
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	19	0.58
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	18	0.58
(1,810)	1:380:A:PRO:HG2	1:382:A:HIS:H	9	0.58
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	9	0.58
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	9	0.58
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	9	0.58
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	17	0.58
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	17	0.58
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	17	0.58
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD21	18	0.58
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD22	18	0.58
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD23	18	0.58
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	6	0.58
(1,510)	1:418:A:ARG:H	1:418:A:ARG:HD2	9	0.58
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	15	0.58
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	2	0.58
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	12	0.58
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	2	0.58
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	6	0.58
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	6	0.58
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	6	0.58
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	7	0.58
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	7	0.58
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	7	0.58
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	14	0.58
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	14	0.58
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	14	0.58
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	14	0.58
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	17	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,41)	1:419:A:GLY:H	1:437:A:PRO:HA	12	0.58
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	1	0.58
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	1	0.58
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	1	0.58
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	2	0.58
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	2	0.58
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	2	0.58
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	17	0.58
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	17	0.58
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	17	0.58
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	20	0.58
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	20	0.58
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	20	0.58
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD11	12	0.57
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD12	12	0.57
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD13	12	0.57
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD21	12	0.57
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD22	12	0.57
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD23	12	0.57
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	8	0.57
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	8	0.57
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	8	0.57
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	8	0.57
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	8	0.57
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	8	0.57
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	2	0.57
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	2	0.57
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	2	0.57
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	2	0.57
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	2	0.57
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	2	0.57
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	2	0.57
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	2	0.57
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	2	0.57
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	2	0.57
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	2	0.57
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	2	0.57
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	2	0.57
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	2	0.57
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	2	0.57
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	2	0.57
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	2	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	2	0.57
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	10	0.57
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	10	0.57
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	10	0.57
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	10	0.57
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	10	0.57
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	10	0.57
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	10	0.57
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	10	0.57
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	10	0.57
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	10	0.57
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	10	0.57
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	10	0.57
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	10	0.57
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	10	0.57
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	10	0.57
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	10	0.57
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	10	0.57
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	10	0.57
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	20	0.57
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	20	0.57
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	20	0.57
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	20	0.57
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	20	0.57
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	20	0.57
(1,2570)	1:366:A:ASN:HB2	1:460:A:ASN:HB2	17	0.57
(1,2570)	1:366:A:ASN:HB2	1:460:A:ASN:HB3	17	0.57
(1,2570)	1:366:A:ASN:HB3	1:460:A:ASN:HB2	17	0.57
(1,2570)	1:366:A:ASN:HB3	1:460:A:ASN:HB3	17	0.57
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	7	0.57
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	7	0.57
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	7	0.57
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	7	0.57
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	7	0.57
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	7	0.57
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	1	0.57
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	1	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	2	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	2	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	2	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	2	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	2	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	2	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	6	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	6	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	6	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	6	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	6	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	6	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	9	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	9	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	9	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	9	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	9	0.57
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	9	0.57
(1,2355)	1:376:A:ILE:HB	1:379:A:LEU:HD21	19	0.57
(1,2355)	1:376:A:ILE:HB	1:379:A:LEU:HD22	19	0.57
(1,2355)	1:376:A:ILE:HB	1:379:A:LEU:HD23	19	0.57
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	19	0.57
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	19	0.57
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	1	0.57
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	13	0.57
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	13	0.57
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	13	0.57
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	13	0.57
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	13	0.57
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	13	0.57
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	13	0.57
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	13	0.57
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	13	0.57
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	20	0.57
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	20	0.57
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	20	0.57
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	10	0.57
(1,2149)	1:439:A:VAL:HG11	1:444:A:PHE:HB2	18	0.57
(1,2149)	1:439:A:VAL:HG12	1:444:A:PHE:HB2	18	0.57
(1,2149)	1:439:A:VAL:HG13	1:444:A:PHE:HB2	18	0.57
(1,2086)	1:412:A:TYR:HA	1:413:A:LEU:HG	9	0.57
(1,2086)	1:412:A:TYR:HA	1:413:A:LEU:HG	13	0.57
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	5	0.57
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	10	0.57
(1,2044)	1:449:A:LEU:H	1:450:A:GLU:HG3	1	0.57
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	7	0.57
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	7	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	6	0.57
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	13	0.57
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	13	0.57
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	18	0.57
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	18	0.57
(1,1885)	1:419:A:GLY:HA3	1:438:A:PRO:HG3	4	0.57
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	17	0.57
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	17	0.57
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	17	0.57
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	9	0.57
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	14	0.57
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	17	0.57
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	6	0.57
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	6	0.57
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	6	0.57
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	6	0.57
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	6	0.57
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	6	0.57
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	6	0.57
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	6	0.57
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	6	0.57
(1,1276)	1:373:A:PRO:HD3	1:404:A:LEU:HD11	19	0.57
(1,1276)	1:373:A:PRO:HD3	1:404:A:LEU:HD12	19	0.57
(1,1276)	1:373:A:PRO:HD3	1:404:A:LEU:HD13	19	0.57
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB2	12	0.57
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB3	12	0.57
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB2	16	0.57
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB3	16	0.57
(1,1151)	1:400:A:VAL:HB	1:410:A:PHE:HA	3	0.57
(1,1096)	1:418:A:ARG:H	1:420:A:GLY:H	11	0.57
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	19	0.57
(1,1088)	1:412:A:TYR:H	1:412:A:TYR:HE1	7	0.57
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	15	0.57
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	17	0.57
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	4	0.57
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	5	0.57
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD21	8	0.57
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD22	8	0.57
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	19	0.57
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	19	0.57
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	19	0.57
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	19	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	10	0.57
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	9	0.57
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	9	0.57
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	9	0.57
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	9	0.57
(1,946)	1:387:A:PRO:HG2	1:391:A:VAL:H	15	0.57
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	2	0.57
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	12	0.57
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	16	0.57
(1,859)	1:354:A:MET:HG3	1:390:A:VAL:H	14	0.57
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	1	0.57
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	1	0.57
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	19	0.57
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	19	0.57
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	19	0.57
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	5	0.57
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	9	0.57
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	12	0.57
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	16	0.57
(1,590)	1:375:A:ARG:HD2	1:376:A:ILE:H	19	0.57
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	11	0.57
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	14	0.57
(1,308)	1:400:A:VAL:HB	1:424:A:THR:H	8	0.57
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	20	0.57
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	5	0.57
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	2	0.57
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	19	0.57
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	19	0.57
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	19	0.57
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	1	0.57
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	2	0.57
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	19	0.57
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	3	0.57
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	3	0.57
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	3	0.57
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	9	0.57
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	9	0.57
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	9	0.57
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	18	0.57
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	18	0.57
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	18	0.57
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB2	1	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB3	1	0.56
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD11	1	0.56
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD12	1	0.56
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD13	1	0.56
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD21	1	0.56
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD22	1	0.56
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD23	1	0.56
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD11	17	0.56
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD12	17	0.56
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD13	17	0.56
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD21	17	0.56
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD22	17	0.56
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD23	17	0.56
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB2	19	0.56
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB3	19	0.56
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB2	8	0.56
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB3	8	0.56
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	17	0.56
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	17	0.56
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	14	0.56
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	14	0.56
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	19	0.56
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	19	0.56
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	19	0.56
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	19	0.56
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	19	0.56
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	19	0.56
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD11	20	0.56
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD12	20	0.56
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD13	20	0.56
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD21	20	0.56
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD22	20	0.56
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD23	20	0.56
(1,2850)	1:400:A:VAL:HG11	1:426:A:SER:H	13	0.56
(1,2850)	1:400:A:VAL:HG12	1:426:A:SER:H	13	0.56
(1,2850)	1:400:A:VAL:HG13	1:426:A:SER:H	13	0.56
(1,2850)	1:400:A:VAL:HG21	1:426:A:SER:H	13	0.56
(1,2850)	1:400:A:VAL:HG22	1:426:A:SER:H	13	0.56
(1,2850)	1:400:A:VAL:HG23	1:426:A:SER:H	13	0.56
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD2	6	0.56
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD3	6	0.56
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	4	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	4	0.56
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	4	0.56
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	4	0.56
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	4	0.56
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	4	0.56
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	4	0.56
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	4	0.56
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	4	0.56
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	4	0.56
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	4	0.56
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	4	0.56
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	4	0.56
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	4	0.56
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	4	0.56
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	4	0.56
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	4	0.56
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	4	0.56
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	11	0.56
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	11	0.56
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	11	0.56
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	11	0.56
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	11	0.56
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	11	0.56
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	11	0.56
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	11	0.56
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	11	0.56
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	11	0.56
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	11	0.56
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	11	0.56
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	11	0.56
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	11	0.56
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	11	0.56
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	11	0.56
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	11	0.56
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	11	0.56
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	3	0.56
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	3	0.56
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	3	0.56
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	3	0.56
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	3	0.56
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	3	0.56
(1,2594)	1:370:A:HIS:HB2	1:456:A:LEU:HA	14	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2594)	1:370:A:HIS:HB3	1:456:A:LEU:HA	14	0.56
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	4	0.56
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	4	0.56
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	3	0.56
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	3	0.56
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	7	0.56
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	7	0.56
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	11	0.56
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	11	0.56
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	6	0.56
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	6	0.56
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	6	0.56
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	6	0.56
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	6	0.56
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	6	0.56
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	10	0.56
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	10	0.56
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	10	0.56
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	10	0.56
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	10	0.56
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	10	0.56
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	6	0.56
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	6	0.56
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	6	0.56
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	20	0.56
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	20	0.56
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	20	0.56
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	20	0.56
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	20	0.56
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	20	0.56
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	20	0.56
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	20	0.56
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	20	0.56
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	16	0.56
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	16	0.56
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	16	0.56
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	13	0.56
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	3	0.56
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	9	0.56
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	13	0.56
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	20	0.56
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	14	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	15	0.56
(1,2044)	1:449:A:LEU:H	1:450:A:GLU:HG3	12	0.56
(1,1953)	1:374:A:LYS:HB2	1:375:A:ARG:HD3	6	0.56
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	1	0.56
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	1	0.56
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	20	0.56
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	8	0.56
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	8	0.56
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	8	0.56
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	12	0.56
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	3	0.56
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	3	0.56
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	3	0.56
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	6	0.56
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	6	0.56
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	6	0.56
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	7	0.56
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	7	0.56
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	7	0.56
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	19	0.56
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	19	0.56
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	19	0.56
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	20	0.56
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	2	0.56
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	2	0.56
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	2	0.56
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	6	0.56
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	17	0.56
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	19	0.56
(1,1663)	1:407:A:LYS:HA	1:427:A:PHE:HE1	5	0.56
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	8	0.56
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	12	0.56
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	6	0.56
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	16	0.56
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	16	0.56
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	16	0.56
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	19	0.56
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	2	0.56
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	17	0.56
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	17	0.56
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	17	0.56
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB2	20	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB3	20	0.56
(1,1184)	1:367:A:PHE:HB3	1:377:A:GLN:HG2	16	0.56
(1,1138)	1:358:A:CYS:H	1:464:A:SER:HB2	1	0.56
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	14	0.56
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	2	0.56
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	7	0.56
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	15	0.56
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	10	0.56
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	12	0.56
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	17	0.56
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	7	0.56
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	7	0.56
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	7	0.56
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	7	0.56
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	8	0.56
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	4	0.56
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	10	0.56
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	2	0.56
(1,870)	1:371:A:LEU:H	1:456:A:LEU:HB3	14	0.56
(1,838)	1:355:A:SER:HB2	1:441:A:SER:H	12	0.56
(1,838)	1:355:A:SER:HB3	1:441:A:SER:H	12	0.56
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	20	0.56
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	20	0.56
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	2	0.56
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	2	0.56
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	2	0.56
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	5	0.56
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	5	0.56
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	5	0.56
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	14	0.56
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	14	0.56
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	14	0.56
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	20	0.56
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	20	0.56
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	20	0.56
(1,765)	1:411:A:GLY:HA2	1:413:A:LEU:H	20	0.56
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	18	0.56
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	18	0.56
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	18	0.56
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	15	0.56
(1,590)	1:375:A:ARG:HD2	1:376:A:ILE:H	10	0.56
(1,590)	1:375:A:ARG:HD2	1:376:A:ILE:H	18	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	16	0.56
(1,479)	1:361:A:VAL:H	1:381:A:ASP:HA	17	0.56
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	16	0.56
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	18	0.56
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	4	0.56
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	10	0.56
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	13	0.56
(1,230)	1:412:A:TYR:H	1:412:A:TYR:HD1	9	0.56
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	12	0.56
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	12	0.56
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	12	0.56
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	16	0.56
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	16	0.56
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	16	0.56
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	16	0.56
(1,41)	1:419:A:GLY:H	1:437:A:PRO:HA	16	0.56
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	6	0.56
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	6	0.56
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	6	0.56
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	19	0.56
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	19	0.56
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	19	0.56
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG2	19	0.55
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG3	19	0.55
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG2	11	0.55
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG3	11	0.55
(1,3056)	1:446:A:LEU:HB2	1:464:A:SER:H	9	0.55
(1,3056)	1:446:A:LEU:HB3	1:464:A:SER:H	9	0.55
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD11	15	0.55
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD12	15	0.55
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD13	15	0.55
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD21	15	0.55
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD22	15	0.55
(1,3010)	1:434:A:ILE:H	1:436:A:LEU:HD23	15	0.55
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	13	0.55
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	13	0.55
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	8	0.55
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	8	0.55
(1,2903)	1:413:A:LEU:H	1:413:A:LEU:HD11	4	0.55
(1,2903)	1:413:A:LEU:H	1:413:A:LEU:HD12	4	0.55
(1,2903)	1:413:A:LEU:H	1:413:A:LEU:HD13	4	0.55
(1,2903)	1:413:A:LEU:H	1:413:A:LEU:HD21	4	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2903)	1:413:A:LEU:H	1:413:A:LEU:HD22	4	0.55
(1,2903)	1:413:A:LEU:H	1:413:A:LEU:HD23	4	0.55
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD11	11	0.55
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD12	11	0.55
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD13	11	0.55
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD21	11	0.55
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD22	11	0.55
(1,2860)	1:403:A:ALA:HA	1:404:A:LEU:HD23	11	0.55
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD2	1	0.55
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD3	1	0.55
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	10	0.55
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	10	0.55
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	10	0.55
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	10	0.55
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	10	0.55
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	10	0.55
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	19	0.55
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	19	0.55
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	19	0.55
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	19	0.55
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	19	0.55
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	19	0.55
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	19	0.55
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	19	0.55
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	14	0.55
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	14	0.55
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	14	0.55
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	14	0.55
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	14	0.55
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	14	0.55
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	9	0.55
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	9	0.55
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	14	0.55
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	14	0.55
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	18	0.55
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	18	0.55
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	18	0.55
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	18	0.55
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	18	0.55
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	18	0.55
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	4	0.55
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	4	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	4	0.55
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	4	0.55
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	4	0.55
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	4	0.55
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	2	0.55
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	13	0.55
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	12	0.55
(1,2199)	1:405:A:GLU:HA	1:407:A:LYS:HB3	11	0.55
(1,2198)	1:405:A:GLU:HA	1:407:A:LYS:HD2	12	0.55
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	4	0.55
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	4	0.55
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	4	0.55
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	18	0.55
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	18	0.55
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	18	0.55
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	9	0.55
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD2	18	0.55
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD3	18	0.55
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	13	0.55
(1,2044)	1:449:A:LEU:H	1:450:A:GLU:HG3	19	0.55
(1,1953)	1:374:A:LYS:HB2	1:375:A:ARG:HD3	8	0.55
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	10	0.55
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	10	0.55
(1,1927)	1:371:A:LEU:HD21	1:402:A:CYS:H	12	0.55
(1,1927)	1:371:A:LEU:HD22	1:402:A:CYS:H	12	0.55
(1,1927)	1:371:A:LEU:HD23	1:402:A:CYS:H	12	0.55
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	4	0.55
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	8	0.55
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	16	0.55
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	13	0.55
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	13	0.55
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	13	0.55
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	16	0.55
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	16	0.55
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	16	0.55
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD2	16	0.55
(1,1712)	1:372:A:ASP:HA	1:374:A:LYS:HD3	16	0.55
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	13	0.55
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	4	0.55
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	20	0.55
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	20	0.55
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG21	4	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG22	4	0.55
(1,1511)	1:355:A:SER:HA	1:388:A:VAL:HG23	4	0.55
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	5	0.55
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	5	0.55
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	5	0.55
(1,1224)	1:371:A:LEU:HD21	1:456:A:LEU:HD21	20	0.55
(1,1224)	1:371:A:LEU:HD21	1:456:A:LEU:HD22	20	0.55
(1,1224)	1:371:A:LEU:HD21	1:456:A:LEU:HD23	20	0.55
(1,1224)	1:371:A:LEU:HD22	1:456:A:LEU:HD21	20	0.55
(1,1224)	1:371:A:LEU:HD22	1:456:A:LEU:HD22	20	0.55
(1,1224)	1:371:A:LEU:HD22	1:456:A:LEU:HD23	20	0.55
(1,1224)	1:371:A:LEU:HD23	1:456:A:LEU:HD21	20	0.55
(1,1224)	1:371:A:LEU:HD23	1:456:A:LEU:HD22	20	0.55
(1,1224)	1:371:A:LEU:HD23	1:456:A:LEU:HD23	20	0.55
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	3	0.55
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	7	0.55
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	18	0.55
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	20	0.55
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	1	0.55
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	7	0.55
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	5	0.55
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	16	0.55
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	18	0.55
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	18	0.55
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	18	0.55
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	18	0.55
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	11	0.55
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	13	0.55
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	13	0.55
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	13	0.55
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	8	0.55
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	8	0.55
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	8	0.55
(1,666)	1:448:A:PHE:HA	1:452:A:PHE:H	2	0.55
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD21	10	0.55
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD22	10	0.55
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD23	10	0.55
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	3	0.55
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	7	0.55
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	17	0.55
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	18	0.55
(1,587)	1:421:A:GLU:H	1:439:A:VAL:H	8	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	6	0.55
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	10	0.55
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	1	0.55
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	12	0.55
(1,337)	1:459:A:ASP:H	1:460:A:ASN:HD21	1	0.55
(1,337)	1:459:A:ASP:H	1:460:A:ASN:HD22	1	0.55
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	11	0.55
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	6	0.55
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	16	0.55
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	19	0.55
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	11	0.55
(1,34)	1:427:A:PHE:HA	1:429:A:GLY:H	20	0.55
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	8	0.55
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	8	0.55
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	8	0.55
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB2	8	0.54
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB3	8	0.54
(1,3143)	1:460:A:ASN:HB2	1:461:A:LEU:HA	13	0.54
(1,3143)	1:460:A:ASN:HB3	1:461:A:LEU:HA	13	0.54
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG2	19	0.54
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG3	19	0.54
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB2	2	0.54
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB3	2	0.54
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	7	0.54
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	7	0.54
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	4	0.54
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	4	0.54
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	11	0.54
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	11	0.54
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	19	0.54
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	19	0.54
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	19	0.54
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	19	0.54
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	19	0.54
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	19	0.54
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD2	13	0.54
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD3	13	0.54
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD21	16	0.54
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD22	16	0.54
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD23	16	0.54
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD21	16	0.54
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD22	16	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD23	16	0.54
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	11	0.54
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	11	0.54
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	8	0.54
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	8	0.54
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	11	0.54
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	11	0.54
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	13	0.54
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	13	0.54
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	13	0.54
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	13	0.54
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	13	0.54
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	13	0.54
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	19	0.54
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	19	0.54
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	19	0.54
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	19	0.54
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	19	0.54
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	19	0.54
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	20	0.54
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	20	0.54
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	20	0.54
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	20	0.54
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	20	0.54
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	20	0.54
(1,2355)	1:376:A:ILE:HB	1:379:A:LEU:HD21	5	0.54
(1,2355)	1:376:A:ILE:HB	1:379:A:LEU:HD22	5	0.54
(1,2355)	1:376:A:ILE:HB	1:379:A:LEU:HD23	5	0.54
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	8	0.54
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	2	0.54
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	2	0.54
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	2	0.54
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	10	0.54
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	18	0.54
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	14	0.54
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	14	0.54
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	14	0.54
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	19	0.54
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	19	0.54
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	19	0.54
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	2	0.54
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	3	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	12	0.54
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	3	0.54
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	4	0.54
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	12	0.54
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	12	0.54
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	12	0.54
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	2	0.54
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	16	0.54
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	12	0.54
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	12	0.54
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	12	0.54
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	12	0.54
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	12	0.54
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	12	0.54
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	2	0.54
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	15	0.54
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	20	0.54
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	2	0.54
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	7	0.54
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	12	0.54
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	3	0.54
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	3	0.54
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	3	0.54
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	3	0.54
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	3	0.54
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	3	0.54
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	3	0.54
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	3	0.54
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	3	0.54
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	17	0.54
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	17	0.54
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	17	0.54
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	17	0.54
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	17	0.54
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	17	0.54
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	17	0.54
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	17	0.54
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	17	0.54
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	16	0.54
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	20	0.54
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	20	0.54
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	20	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	8	0.54
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	8	0.54
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	8	0.54
(1,1151)	1:400:A:VAL:HB	1:410:A:PHE:HA	4	0.54
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD21	1	0.54
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD22	1	0.54
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD21	14	0.54
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD22	14	0.54
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	8	0.54
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	9	0.54
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	19	0.54
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	10	0.54
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	14	0.54
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	11	0.54
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	19	0.54
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	7	0.54
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	3	0.54
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	3	0.54
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	3	0.54
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	3	0.54
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	4	0.54
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	4	0.54
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	4	0.54
(1,946)	1:387:A:PRO:HG2	1:391:A:VAL:H	6	0.54
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	20	0.54
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	8	0.54
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	8	0.54
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	14	0.54
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	14	0.54
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	12	0.54
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	14	0.54
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	14	0.54
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	14	0.54
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	13	0.54
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD21	4	0.54
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD22	4	0.54
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD23	4	0.54
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	6	0.54
(1,590)	1:375:A:ARG:HD2	1:376:A:ILE:H	1	0.54
(1,590)	1:375:A:ARG:HD2	1:376:A:ILE:H	2	0.54
(1,590)	1:375:A:ARG:HD2	1:376:A:ILE:H	3	0.54
(1,590)	1:375:A:ARG:HD2	1:376:A:ILE:H	7	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:375:A:ARG:HD2	1:376:A:ILE:H	14	0.54
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	8	0.54
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	13	0.54
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	13	0.54
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	13	0.54
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	12	0.54
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	3	0.54
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	20	0.54
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	10	0.54
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	6	0.54
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	10	0.54
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	4	0.54
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	7	0.54
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	11	0.54
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	11	0.54
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	11	0.54
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	3	0.54
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	5	0.54
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	20	0.54
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	6	0.54
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	19	0.54
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	15	0.54
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	15	0.54
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	15	0.54
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	1	0.54
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	1	0.54
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	1	0.54
(1,3143)	1:460:A:ASN:HB2	1:461:A:LEU:HA	16	0.53
(1,3143)	1:460:A:ASN:HB3	1:461:A:LEU:HA	16	0.53
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	5	0.53
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	5	0.53
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	6	0.53
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	6	0.53
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	20	0.53
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	20	0.53
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB2	15	0.53
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB3	15	0.53
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG2	15	0.53
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG3	15	0.53
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	20	0.53
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	20	0.53
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	20	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	20	0.53
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	20	0.53
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	20	0.53
(1,2936)	1:416:A:ASP:HB2	1:435:A:GLN:HA	7	0.53
(1,2936)	1:416:A:ASP:HB3	1:435:A:GLN:HA	7	0.53
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	19	0.53
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	19	0.53
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	19	0.53
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	19	0.53
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	19	0.53
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	19	0.53
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	6	0.53
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	6	0.53
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	6	0.53
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	6	0.53
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	6	0.53
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	6	0.53
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	13	0.53
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	13	0.53
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	13	0.53
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	13	0.53
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	13	0.53
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	13	0.53
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	13	0.53
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	13	0.53
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	13	0.53
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	13	0.53
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	13	0.53
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	13	0.53
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	13	0.53
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	13	0.53
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	13	0.53
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	13	0.53
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	13	0.53
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	13	0.53
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	13	0.53
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	13	0.53
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	19	0.53
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	19	0.53
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD21	12	0.53
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD22	12	0.53
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD23	12	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD21	12	0.53
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD22	12	0.53
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD23	12	0.53
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	16	0.53
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	16	0.53
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	18	0.53
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	18	0.53
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	18	0.53
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	18	0.53
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	18	0.53
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	18	0.53
(1,2398)	1:373:A:PRO:HA	1:377:A:GLN:HE21	4	0.53
(1,2398)	1:373:A:PRO:HA	1:377:A:GLN:HE22	4	0.53
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	5	0.53
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	7	0.53
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	3	0.53
(1,2187)	1:425:A:ALA:HB1	1:433:A:SER:HA	8	0.53
(1,2187)	1:425:A:ALA:HB2	1:433:A:SER:HA	8	0.53
(1,2187)	1:425:A:ALA:HB3	1:433:A:SER:HA	8	0.53
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	12	0.53
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	12	0.53
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	12	0.53
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	12	0.53
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	12	0.53
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	12	0.53
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	12	0.53
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	12	0.53
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	12	0.53
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	5	0.53
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	4	0.53
(1,1953)	1:374:A:LYS:HB2	1:375:A:ARG:HD3	20	0.53
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	10	0.53
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	19	0.53
(1,1876)	1:447:A:ARG:HG2	1:448:A:PHE:HA	1	0.53
(1,1876)	1:447:A:ARG:HG3	1:448:A:PHE:HA	1	0.53
(1,1873)	1:448:A:PHE:HA	1:451:A:ASN:H	17	0.53
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	7	0.53
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	7	0.53
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	7	0.53
(1,1807)	1:400:A:VAL:HG21	1:409:A:VAL:HB	6	0.53
(1,1807)	1:400:A:VAL:HG22	1:409:A:VAL:HB	6	0.53
(1,1807)	1:400:A:VAL:HG23	1:409:A:VAL:HB	6	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	20	0.53
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	20	0.53
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	20	0.53
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	15	0.53
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	15	0.53
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	15	0.53
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	2	0.53
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	2	0.53
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	2	0.53
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	1	0.53
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	14	0.53
(1,1753)	1:360:A:TYR:HE1	1:466:A:PRO:HB3	7	0.53
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	13	0.53
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	3	0.53
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	9	0.53
(1,1732)	1:427:A:PHE:HD1	1:428:A:ASP:HA	7	0.53
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	11	0.53
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	14	0.53
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	19	0.53
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	13	0.53
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	18	0.53
(1,1525)	1:378:A:GLN:H	1:379:A:LEU:HB3	19	0.53
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	7	0.53
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	10	0.53
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	20	0.53
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	6	0.53
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	6	0.53
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	6	0.53
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	12	0.53
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	12	0.53
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	12	0.53
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	13	0.53
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	13	0.53
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	13	0.53
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	18	0.53
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	18	0.53
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	18	0.53
(1,1261)	1:369:A:PRO:HD3	1:457:A:GLN:HG3	14	0.53
(1,1261)	1:369:A:PRO:HD3	1:457:A:GLN:HG3	20	0.53
(1,1184)	1:367:A:PHE:HB3	1:377:A:GLN:HG2	17	0.53
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	10	0.53
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	19	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD21	8	0.53
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD22	8	0.53
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	11	0.53
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	12	0.53
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	8	0.53
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	4	0.53
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	4	0.53
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	4	0.53
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	4	0.53
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	18	0.53
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	18	0.53
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	18	0.53
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	3	0.53
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	3	0.53
(1,946)	1:387:A:PRO:HG2	1:391:A:VAL:H	14	0.53
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	14	0.53
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	11	0.53
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	10	0.53
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	10	0.53
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	10	0.53
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	18	0.53
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	18	0.53
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	18	0.53
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	18	0.53
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	20	0.53
(1,740)	1:360:A:TYR:H	1:360:A:TYR:HD1	17	0.53
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	6	0.53
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	8	0.53
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	16	0.53
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	2	0.53
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	2	0.53
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	2	0.53
(1,695)	1:359:A:VAL:H	1:386:A:GLY:H	9	0.53
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	20	0.53
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	19	0.53
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	5	0.53
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	13	0.53
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	14	0.53
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	20	0.53
(1,590)	1:375:A:ARG:HD2	1:376:A:ILE:H	5	0.53
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	2	0.53
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	7	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	13	0.53
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	9	0.53
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	9	0.53
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	4	0.53
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	5	0.53
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	20	0.53
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	3	0.53
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	8	0.53
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	8	0.53
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	8	0.53
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	20	0.53
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	20	0.53
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	20	0.53
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	9	0.53
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	10	0.53
(1,41)	1:419:A:GLY:H	1:437:A:PRO:HA	15	0.53
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	10	0.53
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	10	0.53
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	10	0.53
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	11	0.53
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	11	0.53
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	11	0.53
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	2	0.53
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	2	0.53
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	2	0.53
(1,3162)	1:463:A:SER:H	1:464:A:SER:HB2	6	0.52
(1,3162)	1:463:A:SER:H	1:464:A:SER:HB3	6	0.52
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG2	12	0.52
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG3	12	0.52
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	8	0.52
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	8	0.52
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	10	0.52
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	10	0.52
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	3	0.52
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	3	0.52
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	3	0.52
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	3	0.52
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	3	0.52
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	3	0.52
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	3	0.52
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	3	0.52
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	3	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	3	0.52
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	3	0.52
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	3	0.52
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	3	0.52
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	3	0.52
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	3	0.52
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	3	0.52
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	3	0.52
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	3	0.52
(1,2755)	1:393:A:ARG:HD2	1:421:A:GLU:H	20	0.52
(1,2755)	1:393:A:ARG:HD3	1:421:A:GLU:H	20	0.52
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD2	11	0.52
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD3	11	0.52
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	3	0.52
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	3	0.52
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	3	0.52
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	3	0.52
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	3	0.52
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	3	0.52
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	3	0.52
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	3	0.52
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	3	0.52
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	3	0.52
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	3	0.52
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	3	0.52
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	3	0.52
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	3	0.52
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	3	0.52
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	3	0.52
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	3	0.52
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	3	0.52
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	20	0.52
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	20	0.52
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	20	0.52
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	20	0.52
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	20	0.52
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	20	0.52
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	20	0.52
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	20	0.52
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	20	0.52
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	20	0.52
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	20	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	20	0.52
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	20	0.52
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	20	0.52
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	20	0.52
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	20	0.52
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	20	0.52
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	20	0.52
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	13	0.52
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	13	0.52
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	13	0.52
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	13	0.52
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	13	0.52
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	13	0.52
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	7	0.52
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	7	0.52
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	8	0.52
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	8	0.52
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	9	0.52
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	9	0.52
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	9	0.52
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	9	0.52
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	9	0.52
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	9	0.52
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD11	10	0.52
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD12	10	0.52
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD13	10	0.52
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD21	10	0.52
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD22	10	0.52
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD23	10	0.52
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG11	5	0.52
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG12	5	0.52
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG13	5	0.52
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG21	5	0.52
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG22	5	0.52
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG23	5	0.52
(1,2564)	1:366:A:ASN:H	1:460:A:ASN:HB2	17	0.52
(1,2564)	1:366:A:ASN:H	1:460:A:ASN:HB3	17	0.52
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	11	0.52
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	11	0.52
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	11	0.52
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	11	0.52
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	11	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	11	0.52
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	17	0.52
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	17	0.52
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	10	0.52
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	10	0.52
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	10	0.52
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	10	0.52
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	10	0.52
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	10	0.52
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	14	0.52
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	14	0.52
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	14	0.52
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	14	0.52
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	14	0.52
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	14	0.52
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	16	0.52
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	16	0.52
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	16	0.52
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	16	0.52
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	16	0.52
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	16	0.52
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	20	0.52
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	20	0.52
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	20	0.52
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	20	0.52
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	20	0.52
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	20	0.52
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	3	0.52
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	3	0.52
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	3	0.52
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	3	0.52
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	3	0.52
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	3	0.52
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	4	0.52
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	4	0.52
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	4	0.52
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	4	0.52
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	4	0.52
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	4	0.52
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	11	0.52
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	11	0.52
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	11	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	11	0.52
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	11	0.52
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	11	0.52
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	15	0.52
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	15	0.52
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	15	0.52
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	15	0.52
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	15	0.52
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	15	0.52
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	15	0.52
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	15	0.52
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	15	0.52
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	1	0.52
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	1	0.52
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	1	0.52
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	5	0.52
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	5	0.52
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	5	0.52
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	5	0.52
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	5	0.52
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	5	0.52
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	5	0.52
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	5	0.52
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	5	0.52
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	6	0.52
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	6	0.52
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	6	0.52
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	6	0.52
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	6	0.52
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	6	0.52
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	6	0.52
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	6	0.52
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	6	0.52
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	8	0.52
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	8	0.52
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	8	0.52
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	10	0.52
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	15	0.52
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	7	0.52
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	14	0.52
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	14	0.52
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	15	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	15	0.52
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	17	0.52
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	17	0.52
(1,1970)	1:395:A:ILE:HA	1:462:A:LEU:HG	3	0.52
(1,1953)	1:374:A:LYS:HB2	1:375:A:ARG:HD3	4	0.52
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	10	0.52
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	10	0.52
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	10	0.52
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	16	0.52
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	16	0.52
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	16	0.52
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	1	0.52
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	2	0.52
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	3	0.52
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	14	0.52
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	2	0.52
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	2	0.52
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	2	0.52
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	5	0.52
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	5	0.52
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	5	0.52
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	6	0.52
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	13	0.52
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	8	0.52
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	16	0.52
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	4	0.52
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	4	0.52
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	4	0.52
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	4	0.52
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	4	0.52
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	4	0.52
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	4	0.52
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	4	0.52
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	4	0.52
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	15	0.52
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	15	0.52
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	15	0.52
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	15	0.52
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	15	0.52
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	15	0.52
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	15	0.52
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	15	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	15	0.52
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	1	0.52
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	19	0.52
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD21	12	0.52
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD22	12	0.52
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD23	12	0.52
(1,1184)	1:367:A:PHE:HB3	1:377:A:GLN:HG2	13	0.52
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	5	0.52
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	17	0.52
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	6	0.52
(1,1091)	1:416:A:ASP:HB2	1:418:A:ARG:H	1	0.52
(1,1091)	1:416:A:ASP:HB2	1:418:A:ARG:H	12	0.52
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	16	0.52
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD21	15	0.52
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD22	15	0.52
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	3	0.52
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	3	0.52
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	3	0.52
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	3	0.52
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	12	0.52
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	3	0.52
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	3	0.52
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	3	0.52
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	13	0.52
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	17	0.52
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	19	0.52
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	15	0.52
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	15	0.52
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	12	0.52
(1,510)	1:418:A:ARG:H	1:418:A:ARG:HD2	4	0.52
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	5	0.52
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	6	0.52
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	6	0.52
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	6	0.52
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	1	0.52
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	20	0.52
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	4	0.52
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	7	0.52
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	9	0.52
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	13	0.52
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	13	0.52
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	13	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	5	0.52
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	5	0.52
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	5	0.52
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	4	0.52
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	4	0.52
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	4	0.52
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	7	0.52
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	8	0.52
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	17	0.52
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	20	0.52
(1,41)	1:419:A:GLY:H	1:437:A:PRO:HA	3	0.52
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	5	0.52
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	5	0.52
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	5	0.52
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG2	8	0.51
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG3	8	0.51
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG2	12	0.51
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG3	12	0.51
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	16	0.51
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	16	0.51
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	16	0.51
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	16	0.51
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	16	0.51
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	16	0.51
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	2	0.51
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	2	0.51
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	10	0.51
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	10	0.51
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	10	0.51
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	10	0.51
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	10	0.51
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	10	0.51
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	3	0.51
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	3	0.51
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	11	0.51
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	11	0.51
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD11	9	0.51
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD12	9	0.51
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD13	9	0.51
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD21	9	0.51
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD22	9	0.51
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD23	9	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	16	0.51
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	16	0.51
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	16	0.51
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	16	0.51
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	16	0.51
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	16	0.51
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	10	0.51
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	10	0.51
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	10	0.51
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	10	0.51
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	10	0.51
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	10	0.51
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	3	0.51
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	3	0.51
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	3	0.51
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	3	0.51
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	3	0.51
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	3	0.51
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	7	0.51
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	7	0.51
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	7	0.51
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	7	0.51
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	7	0.51
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	7	0.51
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	11	0.51
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	11	0.51
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	11	0.51
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	11	0.51
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	11	0.51
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	11	0.51
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	19	0.51
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	19	0.51
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	19	0.51
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	19	0.51
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	19	0.51
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	19	0.51
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	12	0.51
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	12	0.51
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	12	0.51
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	12	0.51
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	12	0.51
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	12	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	19	0.51
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	9	0.51
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	8	0.51
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	8	0.51
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	8	0.51
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	2	0.51
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	2	0.51
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	2	0.51
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	2	0.51
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	2	0.51
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	2	0.51
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	2	0.51
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	2	0.51
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	2	0.51
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	9	0.51
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	9	0.51
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	9	0.51
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	9	0.51
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	9	0.51
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	9	0.51
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	9	0.51
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	9	0.51
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	9	0.51
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	13	0.51
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	13	0.51
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	13	0.51
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	13	0.51
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	13	0.51
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	13	0.51
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	13	0.51
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	13	0.51
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	13	0.51
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	1	0.51
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	5	0.51
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	16	0.51
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	8	0.51
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	8	0.51
(1,1953)	1:374:A:LYS:HB2	1:375:A:ARG:HD3	9	0.51
(1,1953)	1:374:A:LYS:HB2	1:375:A:ARG:HD3	15	0.51
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	17	0.51
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	3	0.51
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	9	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	9	0.51
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	9	0.51
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	14	0.51
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	14	0.51
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	14	0.51
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	17	0.51
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	17	0.51
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	17	0.51
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	17	0.51
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	17	0.51
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	17	0.51
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	13	0.51
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	4	0.51
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	4	0.51
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	4	0.51
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	12	0.51
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	20	0.51
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	16	0.51
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	11	0.51
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	11	0.51
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	11	0.51
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	11	0.51
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	11	0.51
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	11	0.51
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	11	0.51
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	11	0.51
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	11	0.51
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	18	0.51
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	18	0.51
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	18	0.51
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	18	0.51
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	18	0.51
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	18	0.51
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	18	0.51
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	18	0.51
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	18	0.51
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	9	0.51
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	9	0.51
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	6	0.51
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	1	0.51
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	12	0.51
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	5	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	5	0.51
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	5	0.51
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	2	0.51
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	14	0.51
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	18	0.51
(1,1143)	1:416:A:ASP:H	1:435:A:GLN:HE21	15	0.51
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	9	0.51
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	12	0.51
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	14	0.51
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	2	0.51
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	5	0.51
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	15	0.51
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	1	0.51
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	20	0.51
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	18	0.51
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	1	0.51
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	1	0.51
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	1	0.51
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	1	0.51
(1,970)	1:465:A:GLN:HE21	1:466:A:PRO:HD2	3	0.51
(1,970)	1:465:A:GLN:HE22	1:466:A:PRO:HD2	3	0.51
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	4	0.51
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	4	0.51
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	4	0.51
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	4	0.51
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	9	0.51
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	9	0.51
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	9	0.51
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	12	0.51
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	12	0.51
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	12	0.51
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	16	0.51
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	17	0.51
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	12	0.51
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	10	0.51
(1,903)	1:354:A:MET:HB2	1:441:A:SER:H	3	0.51
(1,903)	1:354:A:MET:HB3	1:441:A:SER:H	3	0.51
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	8	0.51
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	19	0.51
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	6	0.51
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	6	0.51
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	6	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	11	0.51
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	11	0.51
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	11	0.51
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	1	0.51
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	1	0.51
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	1	0.51
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD21	9	0.51
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD22	9	0.51
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD23	9	0.51
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	14	0.51
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	14	0.51
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	2	0.51
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	2	0.51
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	2	0.51
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	4	0.51
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	4	0.51
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	4	0.51
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	14	0.51
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	14	0.51
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	14	0.51
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	11	0.51
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	15	0.51
(1,345)	1:393:A:ARG:HG3	1:422:A:VAL:H	1	0.51
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	8	0.51
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	6	0.51
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	6	0.51
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	6	0.51
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	9	0.51
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	9	0.51
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	9	0.51
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	10	0.51
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	10	0.51
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	10	0.51
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	10	0.51
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	9	0.51
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	14	0.51
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	14	0.51
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	14	0.51
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	14	0.5
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	14	0.5
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG2	8	0.5
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG3	8	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB2	8	0.5
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB3	8	0.5
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB2	19	0.5
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB3	19	0.5
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	18	0.5
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	18	0.5
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	3	0.5
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	3	0.5
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	7	0.5
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	7	0.5
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE2	9	0.5
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE3	9	0.5
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	12	0.5
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	12	0.5
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	12	0.5
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	12	0.5
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	12	0.5
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	12	0.5
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	7	0.5
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	7	0.5
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	7	0.5
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	7	0.5
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	7	0.5
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	7	0.5
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	7	0.5
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	7	0.5
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	7	0.5
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	7	0.5
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	7	0.5
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	7	0.5
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	7	0.5
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	7	0.5
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	7	0.5
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	7	0.5
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	7	0.5
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	7	0.5
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	6	0.5
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	6	0.5
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	6	0.5
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	6	0.5
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	6	0.5
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	6	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	6	0.5
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	6	0.5
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	6	0.5
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	6	0.5
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	6	0.5
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	6	0.5
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	6	0.5
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	6	0.5
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	6	0.5
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	6	0.5
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	6	0.5
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	6	0.5
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	14	0.5
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	14	0.5
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	14	0.5
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	14	0.5
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	14	0.5
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	14	0.5
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	14	0.5
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	14	0.5
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	14	0.5
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	14	0.5
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	14	0.5
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	14	0.5
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	14	0.5
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	14	0.5
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	14	0.5
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	14	0.5
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	14	0.5
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	14	0.5
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	15	0.5
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	15	0.5
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	15	0.5
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	15	0.5
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	15	0.5
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	15	0.5
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	2	0.5
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	2	0.5
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	2	0.5
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	2	0.5
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	2	0.5
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	2	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	16	0.5
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	16	0.5
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	16	0.5
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	16	0.5
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	16	0.5
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	16	0.5
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	15	0.5
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	15	0.5
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	15	0.5
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	15	0.5
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	15	0.5
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	15	0.5
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	20	0.5
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	20	0.5
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	20	0.5
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	20	0.5
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	20	0.5
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	20	0.5
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	12	0.5
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	12	0.5
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	12	0.5
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	12	0.5
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	12	0.5
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	12	0.5
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	19	0.5
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	19	0.5
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	19	0.5
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	19	0.5
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	18	0.5
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	18	0.5
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	18	0.5
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	18	0.5
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	18	0.5
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	18	0.5
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	18	0.5
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	18	0.5
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	18	0.5
(1,2187)	1:425:A:ALA:HB1	1:433:A:SER:HA	2	0.5
(1,2187)	1:425:A:ALA:HB2	1:433:A:SER:HA	2	0.5
(1,2187)	1:425:A:ALA:HB3	1:433:A:SER:HA	2	0.5
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD11	1	0.5
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD12	1	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD13	1	0.5
(1,1876)	1:447:A:ARG:HG2	1:448:A:PHE:HA	14	0.5
(1,1876)	1:447:A:ARG:HG3	1:448:A:PHE:HA	14	0.5
(1,1871)	1:354:A:MET:HG2	1:440:A:ASN:HA	14	0.5
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	11	0.5
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	11	0.5
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	11	0.5
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	17	0.5
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	17	0.5
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	17	0.5
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	5	0.5
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	20	0.5
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	7	0.5
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	7	0.5
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	7	0.5
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD11	8	0.5
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD12	8	0.5
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD13	8	0.5
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	1	0.5
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	5	0.5
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	9	0.5
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	10	0.5
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	14	0.5
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	8	0.5
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	8	0.5
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	8	0.5
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	8	0.5
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	8	0.5
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	8	0.5
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	8	0.5
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	8	0.5
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	8	0.5
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	17	0.5
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	1	0.5
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	1	0.5
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	1	0.5
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	11	0.5
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	11	0.5
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	11	0.5
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	9	0.5
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	16	0.5
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	9	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	9	0.5
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	9	0.5
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	9	0.5
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	10	0.5
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	10	0.5
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	10	0.5
(1,1314)	1:436:A:LEU:HG	1:437:A:PRO:HD3	9	0.5
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD21	8	0.5
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD22	8	0.5
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD23	8	0.5
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	20	0.5
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	10	0.5
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD21	6	0.5
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD22	6	0.5
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD21	15	0.5
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD22	15	0.5
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	16	0.5
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	19	0.5
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	1	0.5
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	15	0.5
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	4	0.5
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	19	0.5
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	11	0.5
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	15	0.5
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	15	0.5
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	11	0.5
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	15	0.5
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	14	0.5
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	19	0.5
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	19	0.5
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	19	0.5
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	5	0.5
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	5	0.5
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	5	0.5
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD21	13	0.5
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD22	13	0.5
(1,798)	1:378:A:GLN:H	1:379:A:LEU:HD23	13	0.5
(1,767)	1:411:A:GLY:HA3	1:413:A:LEU:H	20	0.5
(1,765)	1:411:A:GLY:HA2	1:413:A:LEU:H	3	0.5
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	11	0.5
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	11	0.5
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	11	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	1:358:A:CYS:H	1:464:A:SER:HB3	11	0.5
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	3	0.5
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	9	0.5
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	5	0.5
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	19	0.5
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	1	0.5
(1,580)	1:466:A:PRO:HG3	1:468:A:SER:H	2	0.5
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	5	0.5
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	5	0.5
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	2	0.5
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	5	0.5
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	5	0.5
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	5	0.5
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	20	0.5
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	20	0.5
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	20	0.5
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	6	0.5
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	14	0.5
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	14	0.5
(1,308)	1:400:A:VAL:HB	1:424:A:THR:H	12	0.5
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	20	0.5
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	9	0.5
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	16	0.5
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	4	0.5
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	4	0.5
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	4	0.5
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	1	0.5
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	1	0.5
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	1	0.5
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB2	18	0.49
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB3	18	0.49
(1,3114)	1:453:A:CYS:HB2	1:459:A:ASP:HA	6	0.49
(1,3114)	1:453:A:CYS:HB3	1:459:A:ASP:HA	6	0.49
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG2	19	0.49
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG3	19	0.49
(1,3070)	1:448:A:PHE:H	1:449:A:LEU:HD11	8	0.49
(1,3070)	1:448:A:PHE:H	1:449:A:LEU:HD12	8	0.49
(1,3070)	1:448:A:PHE:H	1:449:A:LEU:HD13	8	0.49
(1,3070)	1:448:A:PHE:H	1:449:A:LEU:HD21	8	0.49
(1,3070)	1:448:A:PHE:H	1:449:A:LEU:HD22	8	0.49
(1,3070)	1:448:A:PHE:H	1:449:A:LEU:HD23	8	0.49
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	9	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	9	0.49
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	9	0.49
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	9	0.49
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	9	0.49
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	9	0.49
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB2	4	0.49
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB3	4	0.49
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD11	19	0.49
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD12	19	0.49
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD13	19	0.49
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD21	19	0.49
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD22	19	0.49
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD23	19	0.49
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	14	0.49
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	14	0.49
(1,2943)	1:418:A:ARG:HD2	1:419:A:GLY:H	11	0.49
(1,2943)	1:418:A:ARG:HD3	1:419:A:GLY:H	11	0.49
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	1	0.49
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	1	0.49
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	1	0.49
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	1	0.49
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	1	0.49
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	1	0.49
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	15	0.49
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	15	0.49
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	15	0.49
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	15	0.49
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	15	0.49
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	15	0.49
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	15	0.49
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	15	0.49
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	15	0.49
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	15	0.49
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	15	0.49
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	15	0.49
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	15	0.49
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	15	0.49
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	15	0.49
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	15	0.49
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	15	0.49
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	15	0.49
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	5	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	5	0.49
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	18	0.49
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	18	0.49
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	15	0.49
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	15	0.49
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	15	0.49
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	15	0.49
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	15	0.49
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	15	0.49
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG11	9	0.49
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG12	9	0.49
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG13	9	0.49
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG21	9	0.49
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG22	9	0.49
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG23	9	0.49
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG11	10	0.49
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG12	10	0.49
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG13	10	0.49
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG21	10	0.49
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG22	10	0.49
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG23	10	0.49
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	19	0.49
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	19	0.49
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	16	0.49
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	16	0.49
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	16	0.49
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	16	0.49
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	16	0.49
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	16	0.49
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	11	0.49
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	11	0.49
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	11	0.49
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	11	0.49
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	11	0.49
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	11	0.49
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	5	0.49
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	5	0.49
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	5	0.49
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	5	0.49
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	5	0.49
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	5	0.49
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	15	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	15	0.49
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	15	0.49
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	15	0.49
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	15	0.49
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	15	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD11	16	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD12	16	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD13	16	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD21	16	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD22	16	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD23	16	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD11	17	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD12	17	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD13	17	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD21	17	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD22	17	0.49
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD23	17	0.49
(1,2404)	1:354:A:MET:HA	1:440:A:ASN:HB2	12	0.49
(1,2404)	1:354:A:MET:HA	1:440:A:ASN:HB3	12	0.49
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	13	0.49
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	6	0.49
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	6	0.49
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	6	0.49
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	6	0.49
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	6	0.49
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	6	0.49
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	6	0.49
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	6	0.49
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	6	0.49
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	2	0.49
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	4	0.49
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	9	0.49
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	10	0.49
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	10	0.49
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	10	0.49
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	10	0.49
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	10	0.49
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	10	0.49
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	10	0.49
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	10	0.49
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	10	0.49
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	17	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	10	0.49
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	19	0.49
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	8	0.49
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	13	0.49
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	1	0.49
(1,1876)	1:447:A:ARG:HG2	1:448:A:PHE:HA	13	0.49
(1,1876)	1:447:A:ARG:HG3	1:448:A:PHE:HA	13	0.49
(1,1873)	1:448:A:PHE:HA	1:451:A:ASN:H	12	0.49
(1,1873)	1:448:A:PHE:HA	1:451:A:ASN:H	13	0.49
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	14	0.49
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	14	0.49
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	14	0.49
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	4	0.49
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	10	0.49
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	10	0.49
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB1	9	0.49
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB2	9	0.49
(1,1687)	1:392:A:LEU:HA	1:445:A:ALA:HB3	9	0.49
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	12	0.49
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	7	0.49
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	10	0.49
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	3	0.49
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	7	0.49
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	7	0.49
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	7	0.49
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	7	0.49
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	7	0.49
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	7	0.49
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	7	0.49
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	7	0.49
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	7	0.49
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	12	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	3	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	3	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	3	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	7	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	7	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	7	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	12	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	12	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	12	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	14	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	14	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	14	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	15	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	15	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	15	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	16	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	16	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	16	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	17	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	17	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	17	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	20	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	20	0.49
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	20	0.49
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	17	0.49
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	18	0.49
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	17	0.49
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	20	0.49
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	20	0.49
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	20	0.49
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	19	0.49
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	10	0.49
(1,1088)	1:412:A:TYR:H	1:412:A:TYR:HE1	8	0.49
(1,1088)	1:412:A:TYR:H	1:412:A:TYR:HE1	19	0.49
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	8	0.49
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE21	3	0.49
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE22	3	0.49
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE21	3	0.49
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE22	3	0.49
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	13	0.49
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	13	0.49
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	13	0.49
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	13	0.49
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	17	0.49
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	17	0.49
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	17	0.49
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	17	0.49
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	2	0.49
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	12	0.49
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	5	0.49
(1,903)	1:354:A:MET:HB2	1:441:A:SER:H	10	0.49
(1,903)	1:354:A:MET:HB3	1:441:A:SER:H	10	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	7	0.49
(1,810)	1:380:A:PRO:HG2	1:382:A:HIS:H	3	0.49
(1,740)	1:360:A:TYR:H	1:360:A:TYR:HD1	20	0.49
(1,695)	1:359:A:VAL:H	1:386:A:GLY:H	18	0.49
(1,695)	1:359:A:VAL:H	1:386:A:GLY:H	19	0.49
(1,578)	1:467:A:PHE:HB3	1:468:A:SER:H	1	0.49
(1,578)	1:467:A:PHE:HB2	1:468:A:SER:H	1	0.49
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	4	0.49
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	4	0.49
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	18	0.49
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	19	0.49
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	19	0.49
(1,510)	1:418:A:ARG:H	1:418:A:ARG:HD2	7	0.49
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	1	0.49
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	8	0.49
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	8	0.49
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	8	0.49
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	3	0.49
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	14	0.49
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	17	0.49
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	2	0.49
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	11	0.49
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	11	0.49
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	11	0.49
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	18	0.49
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	18	0.49
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	18	0.49
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	3	0.49
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	20	0.49
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD21	11	0.48
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD22	11	0.48
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD21	11	0.48
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD22	11	0.48
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD21	11	0.48
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD22	11	0.48
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD21	11	0.48
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD22	11	0.48
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD21	11	0.48
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD22	11	0.48
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD21	11	0.48
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD22	11	0.48
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	1	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	1	0.48
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	1	0.48
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	1	0.48
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	1	0.48
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	1	0.48
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	1	0.48
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	1	0.48
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	1	0.48
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	1	0.48
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	1	0.48
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	1	0.48
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	1	0.48
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	1	0.48
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	1	0.48
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	1	0.48
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	1	0.48
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	1	0.48
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	1	0.48
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	1	0.48
(1,2755)	1:393:A:ARG:HD2	1:421:A:GLU:H	10	0.48
(1,2755)	1:393:A:ARG:HD3	1:421:A:GLU:H	10	0.48
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	9	0.48
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	9	0.48
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	9	0.48
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	9	0.48
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	9	0.48
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	9	0.48
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	19	0.48
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	19	0.48
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	19	0.48
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	19	0.48
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	19	0.48
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	19	0.48
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD2	5	0.48
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD3	5	0.48
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	2	0.48
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	2	0.48
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	2	0.48
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	2	0.48
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	2	0.48
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	2	0.48
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	9	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	9	0.48
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	10	0.48
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	10	0.48
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD11	14	0.48
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD12	14	0.48
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD13	14	0.48
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD21	14	0.48
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD22	14	0.48
(1,2595)	1:370:A:HIS:HB2	1:456:A:LEU:HD23	14	0.48
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD11	14	0.48
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD12	14	0.48
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD13	14	0.48
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD21	14	0.48
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD22	14	0.48
(1,2595)	1:370:A:HIS:HB3	1:456:A:LEU:HD23	14	0.48
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG11	16	0.48
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG12	16	0.48
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG13	16	0.48
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG21	16	0.48
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG22	16	0.48
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG23	16	0.48
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	4	0.48
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	4	0.48
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	4	0.48
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	4	0.48
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	4	0.48
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	4	0.48
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	11	0.48
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	11	0.48
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	11	0.48
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	11	0.48
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	11	0.48
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	11	0.48
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	7	0.48
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	7	0.48
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	7	0.48
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	7	0.48
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	7	0.48
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	7	0.48
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	12	0.48
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	12	0.48
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	12	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	12	0.48
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	12	0.48
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	12	0.48
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	11	0.48
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	11	0.48
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	11	0.48
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	11	0.48
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	11	0.48
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	11	0.48
(1,2398)	1:373:A:PRO:HA	1:377:A:GLN:HE21	18	0.48
(1,2398)	1:373:A:PRO:HA	1:377:A:GLN:HE22	18	0.48
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	4	0.48
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	4	0.48
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	4	0.48
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	4	0.48
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	4	0.48
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	4	0.48
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	15	0.48
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	15	0.48
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	15	0.48
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	7	0.48
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	7	0.48
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	4	0.48
(1,1885)	1:419:A:GLY:HA3	1:438:A:PRO:HG3	9	0.48
(1,1876)	1:447:A:ARG:HG2	1:448:A:PHE:HA	16	0.48
(1,1876)	1:447:A:ARG:HG3	1:448:A:PHE:HA	16	0.48
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	4	0.48
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	4	0.48
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	4	0.48
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	12	0.48
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	4	0.48
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	11	0.48
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	11	0.48
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	11	0.48
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	18	0.48
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	18	0.48
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	18	0.48
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	15	0.48
(1,1641)	1:361:A:VAL:H	1:383:A:PHE:HA	11	0.48
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	5	0.48
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	5	0.48
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	5	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	5	0.48
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	5	0.48
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	5	0.48
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	5	0.48
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	5	0.48
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	5	0.48
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	14	0.48
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	14	0.48
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	14	0.48
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	14	0.48
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	14	0.48
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	14	0.48
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	14	0.48
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	14	0.48
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	14	0.48
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	2	0.48
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	2	0.48
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	2	0.48
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	4	0.48
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	4	0.48
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	4	0.48
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	6	0.48
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	6	0.48
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	6	0.48
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	17	0.48
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	3	0.48
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	3	0.48
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	3	0.48
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	7	0.48
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	7	0.48
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	7	0.48
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	4	0.48
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	11	0.48
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	16	0.48
(1,1140)	1:466:A:PRO:HG2	1:468:A:SER:H	12	0.48
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	17	0.48
(1,1096)	1:418:A:ARG:H	1:420:A:GLY:H	4	0.48
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	14	0.48
(1,1041)	1:359:A:VAL:H	1:383:A:PHE:HB2	6	0.48
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	2	0.48
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	8	0.48
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	8	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	8	0.48
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	8	0.48
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	13	0.48
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	1	0.48
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	7	0.48
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	4	0.48
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	10	0.48
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	10	0.48
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	10	0.48
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	2	0.48
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	1	0.48
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	7	0.48
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	7	0.48
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	11	0.48
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	11	0.48
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	16	0.48
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	16	0.48
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	20	0.48
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	20	0.48
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	4	0.48
(1,514)	1:451:A:ASN:H	1:453:A:CYS:H	13	0.48
(1,510)	1:418:A:ARG:H	1:418:A:ARG:HD2	11	0.48
(1,479)	1:361:A:VAL:H	1:381:A:ASP:HA	12	0.48
(1,440)	1:372:A:ASP:H	1:375:A:ARG:HD3	13	0.48
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	19	0.48
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	19	0.48
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	19	0.48
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	15	0.48
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	19	0.48
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	1	0.48
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	16	0.48
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	20	0.48
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	15	0.48
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	15	0.48
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	15	0.48
(1,176)	1:365:A:GLY:H	1:366:A:ASN:H	20	0.48
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	20	0.48
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	2	0.48
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	2	0.48
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	2	0.48
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	3	0.48
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	9	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	18	0.48
(1,3143)	1:460:A:ASN:HB2	1:461:A:LEU:HA	10	0.47
(1,3143)	1:460:A:ASN:HB3	1:461:A:LEU:HA	10	0.47
(1,3114)	1:453:A:CYS:HB2	1:459:A:ASP:HA	20	0.47
(1,3114)	1:453:A:CYS:HB3	1:459:A:ASP:HA	20	0.47
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG2	10	0.47
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG3	10	0.47
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD11	9	0.47
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD12	9	0.47
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD13	9	0.47
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD21	9	0.47
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD22	9	0.47
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD23	9	0.47
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	4	0.47
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	4	0.47
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	12	0.47
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	12	0.47
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	14	0.47
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	14	0.47
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD11	16	0.47
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD12	16	0.47
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD13	16	0.47
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD21	16	0.47
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD22	16	0.47
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD23	16	0.47
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	19	0.47
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	19	0.47
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	8	0.47
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	8	0.47
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	18	0.47
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	18	0.47
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	18	0.47
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	18	0.47
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	18	0.47
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	18	0.47
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	2	0.47
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	2	0.47
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	2	0.47
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	2	0.47
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	2	0.47
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	2	0.47
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD2	9	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD3	9	0.47
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	5	0.47
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	5	0.47
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	5	0.47
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	5	0.47
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	5	0.47
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	5	0.47
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	5	0.47
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	5	0.47
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	5	0.47
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	5	0.47
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	5	0.47
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	5	0.47
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	5	0.47
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	5	0.47
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	5	0.47
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	5	0.47
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	5	0.47
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	5	0.47
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	17	0.47
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	17	0.47
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	17	0.47
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	17	0.47
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	17	0.47
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	17	0.47
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	17	0.47
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	17	0.47
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	17	0.47
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	17	0.47
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	17	0.47
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	17	0.47
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	17	0.47
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	17	0.47
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	17	0.47
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	17	0.47
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	17	0.47
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	17	0.47
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	18	0.47
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	18	0.47
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	18	0.47
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	18	0.47
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	18	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	18	0.47
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	18	0.47
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	18	0.47
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	18	0.47
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	18	0.47
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	18	0.47
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	18	0.47
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	18	0.47
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	18	0.47
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	18	0.47
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	18	0.47
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	18	0.47
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	18	0.47
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG11	2	0.47
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG12	2	0.47
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG13	2	0.47
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG21	2	0.47
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG22	2	0.47
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG23	2	0.47
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	13	0.47
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	13	0.47
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	8	0.47
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	8	0.47
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	8	0.47
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	8	0.47
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	8	0.47
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	8	0.47
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	9	0.47
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	9	0.47
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	9	0.47
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	9	0.47
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	9	0.47
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	9	0.47
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	13	0.47
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	13	0.47
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	13	0.47
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	13	0.47
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	13	0.47
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	13	0.47
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	18	0.47
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	18	0.47
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	12	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	12	0.47
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	15	0.47
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	15	0.47
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	15	0.47
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	15	0.47
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	15	0.47
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	15	0.47
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	11	0.47
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	2	0.47
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	2	0.47
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	2	0.47
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	5	0.47
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	5	0.47
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	5	0.47
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	12	0.47
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	12	0.47
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	12	0.47
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	13	0.47
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	13	0.47
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	13	0.47
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	20	0.47
(1,2045)	1:450:A:GLU:H	1:450:A:GLU:HG3	8	0.47
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	7	0.47
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	13	0.47
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	13	0.47
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	9	0.47
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	20	0.47
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	15	0.47
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	5	0.47
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	5	0.47
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	5	0.47
(1,1825)	1:396:A:VAL:HA	1:452:A:PHE:HZ	3	0.47
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	8	0.47
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	8	0.47
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	8	0.47
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	7	0.47
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	11	0.47
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	20	0.47
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	20	0.47
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	20	0.47
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	10	0.47
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	10	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	10	0.47
(1,1752)	1:360:A:TYR:HD1	1:466:A:PRO:HB3	6	0.47
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	9	0.47
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	2	0.47
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	7	0.47
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	1	0.47
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	1	0.47
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	1	0.47
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	2	0.47
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	2	0.47
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	2	0.47
(1,1319)	1:372:A:ASP:HA	1:374:A:LYS:HE2	12	0.47
(1,1319)	1:372:A:ASP:HA	1:374:A:LYS:HE3	12	0.47
(1,1300)	1:446:A:LEU:HD11	1:465:A:GLN:H	12	0.47
(1,1300)	1:446:A:LEU:HD12	1:465:A:GLN:H	12	0.47
(1,1300)	1:446:A:LEU:HD13	1:465:A:GLN:H	12	0.47
(1,1224)	1:371:A:LEU:HD21	1:456:A:LEU:HD21	14	0.47
(1,1224)	1:371:A:LEU:HD21	1:456:A:LEU:HD22	14	0.47
(1,1224)	1:371:A:LEU:HD21	1:456:A:LEU:HD23	14	0.47
(1,1224)	1:371:A:LEU:HD22	1:456:A:LEU:HD21	14	0.47
(1,1224)	1:371:A:LEU:HD22	1:456:A:LEU:HD22	14	0.47
(1,1224)	1:371:A:LEU:HD22	1:456:A:LEU:HD23	14	0.47
(1,1224)	1:371:A:LEU:HD23	1:456:A:LEU:HD21	14	0.47
(1,1224)	1:371:A:LEU:HD23	1:456:A:LEU:HD22	14	0.47
(1,1224)	1:371:A:LEU:HD23	1:456:A:LEU:HD23	14	0.47
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	17	0.47
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	19	0.47
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	1	0.47
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	12	0.47
(1,1122)	1:447:A:ARG:HD2	1:448:A:PHE:H	11	0.47
(1,1122)	1:447:A:ARG:HD3	1:448:A:PHE:H	11	0.47
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD21	11	0.47
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD22	11	0.47
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	20	0.47
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	17	0.47
(1,1072)	1:395:A:ILE:H	1:397:A:GLN:HG3	20	0.47
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	12	0.47
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	14	0.47
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	19	0.47
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE21	13	0.47
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE22	13	0.47
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE21	13	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE22	13	0.47
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	2	0.47
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	2	0.47
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	2	0.47
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	2	0.47
(1,956)	1:389:A:ASN:H	1:439:A:VAL:H	9	0.47
(1,946)	1:387:A:PRO:HG2	1:391:A:VAL:H	11	0.47
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	2	0.47
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	12	0.47
(1,891)	1:363:A:LYS:HG2	1:377:A:GLN:HE21	4	0.47
(1,891)	1:363:A:LYS:HG2	1:377:A:GLN:HE22	4	0.47
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	7	0.47
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	6	0.47
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	6	0.47
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	6	0.47
(1,740)	1:360:A:TYR:H	1:360:A:TYR:HD1	16	0.47
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD11	8	0.47
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD12	8	0.47
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD13	8	0.47
(1,672)	1:415:A:PRO:HB2	1:416:A:ASP:H	15	0.47
(1,672)	1:415:A:PRO:HB3	1:416:A:ASP:H	15	0.47
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	8	0.47
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD21	11	0.47
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD22	11	0.47
(1,622)	1:444:A:PHE:H	1:446:A:LEU:HD23	11	0.47
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	13	0.47
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	11	0.47
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	11	0.47
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	11	0.47
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	17	0.47
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	5	0.47
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	18	0.47
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	5	0.47
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	17	0.47
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	12	0.47
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	15	0.47
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	11	0.47
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	11	0.47
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	11	0.47
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	13	0.47
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	13	0.46
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	13	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD11	12	0.46
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD12	12	0.46
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD13	12	0.46
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD21	12	0.46
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD22	12	0.46
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD23	12	0.46
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	15	0.46
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	15	0.46
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	11	0.46
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	11	0.46
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	11	0.46
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	11	0.46
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	11	0.46
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	11	0.46
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	14	0.46
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	14	0.46
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	14	0.46
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	14	0.46
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	14	0.46
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	14	0.46
(1,2850)	1:400:A:VAL:HG11	1:426:A:SER:H	2	0.46
(1,2850)	1:400:A:VAL:HG12	1:426:A:SER:H	2	0.46
(1,2850)	1:400:A:VAL:HG13	1:426:A:SER:H	2	0.46
(1,2850)	1:400:A:VAL:HG21	1:426:A:SER:H	2	0.46
(1,2850)	1:400:A:VAL:HG22	1:426:A:SER:H	2	0.46
(1,2850)	1:400:A:VAL:HG23	1:426:A:SER:H	2	0.46
(1,2755)	1:393:A:ARG:HD2	1:421:A:GLU:H	3	0.46
(1,2755)	1:393:A:ARG:HD3	1:421:A:GLU:H	3	0.46
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	7	0.46
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	7	0.46
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	7	0.46
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	7	0.46
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	7	0.46
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	7	0.46
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	7	0.46
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	7	0.46
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	7	0.46
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	7	0.46
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	7	0.46
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	7	0.46
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	7	0.46
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	7	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	7	0.46
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	7	0.46
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	7	0.46
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	7	0.46
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	8	0.46
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	8	0.46
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	8	0.46
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	8	0.46
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	8	0.46
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	8	0.46
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD11	12	0.46
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD12	12	0.46
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD13	12	0.46
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD21	12	0.46
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD22	12	0.46
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD23	12	0.46
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	10	0.46
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	10	0.46
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	10	0.46
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	10	0.46
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	10	0.46
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	10	0.46
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	5	0.46
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	5	0.46
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	5	0.46
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	5	0.46
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	5	0.46
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	5	0.46
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	5	0.46
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	5	0.46
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	6	0.46
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	6	0.46
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	6	0.46
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	6	0.46
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	6	0.46
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	6	0.46
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	9	0.46
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	9	0.46
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	9	0.46
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	9	0.46
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	9	0.46
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	9	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	13	0.46
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	13	0.46
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	13	0.46
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	13	0.46
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	13	0.46
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	13	0.46
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	12	0.46
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	12	0.46
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	12	0.46
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	12	0.46
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	12	0.46
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	12	0.46
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	12	0.46
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	12	0.46
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	12	0.46
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	12	0.46
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	12	0.46
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	12	0.46
(1,2480)	1:359:A:VAL:HG11	1:463:A:SER:H	5	0.46
(1,2480)	1:359:A:VAL:HG12	1:463:A:SER:H	5	0.46
(1,2480)	1:359:A:VAL:HG13	1:463:A:SER:H	5	0.46
(1,2480)	1:359:A:VAL:HG21	1:463:A:SER:H	5	0.46
(1,2480)	1:359:A:VAL:HG22	1:463:A:SER:H	5	0.46
(1,2480)	1:359:A:VAL:HG23	1:463:A:SER:H	5	0.46
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	1	0.46
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	1	0.46
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	1	0.46
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	1	0.46
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	1	0.46
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	1	0.46
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD11	13	0.46
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD12	13	0.46
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD13	13	0.46
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD21	13	0.46
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD22	13	0.46
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD23	13	0.46
(1,2373)	1:376:A:ILE:HD11	1:399:A:CYS:HB2	20	0.46
(1,2373)	1:376:A:ILE:HD12	1:399:A:CYS:HB2	20	0.46
(1,2373)	1:376:A:ILE:HD13	1:399:A:CYS:HB2	20	0.46
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	3	0.46
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	3	0.46
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	3	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	16	0.46
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	8	0.46
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	8	0.46
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	8	0.46
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	8	0.46
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	8	0.46
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	8	0.46
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	7	0.46
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	7	0.46
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	7	0.46
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	12	0.46
(1,2045)	1:450:A:GLU:H	1:450:A:GLU:HG3	20	0.46
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	5	0.46
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	5	0.46
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	10	0.46
(1,1918)	1:379:A:LEU:HD11	1:380:A:PRO:HG3	5	0.46
(1,1918)	1:379:A:LEU:HD12	1:380:A:PRO:HG3	5	0.46
(1,1918)	1:379:A:LEU:HD13	1:380:A:PRO:HG3	5	0.46
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	11	0.46
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	12	0.46
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	18	0.46
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	18	0.46
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	18	0.46
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	17	0.46
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	18	0.46
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	14	0.46
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	14	0.46
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	14	0.46
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	13	0.46
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	13	0.46
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	13	0.46
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	14	0.46
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	14	0.46
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	14	0.46
(1,1752)	1:360:A:TYR:HD1	1:466:A:PRO:HB3	16	0.46
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	14	0.46
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	4	0.46
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	5	0.46
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	10	0.46
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	16	0.46
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	4	0.46
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	8	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	14	0.46
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	14	0.46
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	14	0.46
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	13	0.46
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	13	0.46
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	13	0.46
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	17	0.46
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	12	0.46
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	1	0.46
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	3	0.46
(1,1087)	1:412:A:TYR:HD1	1:413:A:LEU:H	6	0.46
(1,1086)	1:406:A:THR:H	1:410:A:PHE:H	6	0.46
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	9	0.46
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	2	0.46
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	17	0.46
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	3	0.46
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	17	0.46
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	14	0.46
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	14	0.46
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	14	0.46
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	14	0.46
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	19	0.46
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	19	0.46
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	19	0.46
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	4	0.46
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	6	0.46
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	14	0.46
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	14	0.46
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	13	0.46
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	18	0.46
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	5	0.46
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	10	0.46
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	10	0.46
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	10	0.46
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	14	0.46
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	3	0.46
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	3	0.46
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	15	0.46
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	15	0.46
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	15	0.46
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	7	0.46
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	9	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	3	0.46
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	4	0.46
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	8	0.46
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	11	0.46
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	9	0.46
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	10	0.46
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	10	0.46
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	10	0.46
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	10	0.46
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	13	0.46
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	1	0.46
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	1	0.46
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	1	0.46
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	20	0.46
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	12	0.46
(1,34)	1:427:A:PHE:HA	1:429:A:GLY:H	7	0.46
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	19	0.46
(1,3056)	1:446:A:LEU:HB2	1:464:A:SER:H	6	0.45
(1,3056)	1:446:A:LEU:HB3	1:464:A:SER:H	6	0.45
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD11	1	0.45
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD12	1	0.45
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD13	1	0.45
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD21	1	0.45
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD22	1	0.45
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD23	1	0.45
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	11	0.45
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	11	0.45
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE21	19	0.45
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE21	19	0.45
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE21	19	0.45
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE21	19	0.45
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE21	19	0.45
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE21	19	0.45
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE22	19	0.45
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE22	19	0.45
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE22	19	0.45
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE22	19	0.45
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE22	19	0.45
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE22	19	0.45
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	14	0.45
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	14	0.45
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	14	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	14	0.45
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	14	0.45
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	14	0.45
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	14	0.45
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	14	0.45
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	14	0.45
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	14	0.45
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	14	0.45
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	14	0.45
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	14	0.45
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	14	0.45
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	14	0.45
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	14	0.45
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	14	0.45
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	14	0.45
(1,2850)	1:400:A:VAL:HG11	1:426:A:SER:H	15	0.45
(1,2850)	1:400:A:VAL:HG12	1:426:A:SER:H	15	0.45
(1,2850)	1:400:A:VAL:HG13	1:426:A:SER:H	15	0.45
(1,2850)	1:400:A:VAL:HG21	1:426:A:SER:H	15	0.45
(1,2850)	1:400:A:VAL:HG22	1:426:A:SER:H	15	0.45
(1,2850)	1:400:A:VAL:HG23	1:426:A:SER:H	15	0.45
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	11	0.45
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	11	0.45
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	11	0.45
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	11	0.45
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	11	0.45
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	11	0.45
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	18	0.45
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	18	0.45
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	18	0.45
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	18	0.45
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	18	0.45
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	18	0.45
(1,2632)	1:375:A:ARG:HA	1:402:A:CYS:HB2	1	0.45
(1,2632)	1:375:A:ARG:HA	1:402:A:CYS:HB3	1	0.45
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD11	3	0.45
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD12	3	0.45
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD13	3	0.45
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD21	3	0.45
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD22	3	0.45
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD23	3	0.45
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	6	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	6	0.45
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	6	0.45
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	6	0.45
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	6	0.45
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	6	0.45
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	13	0.45
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	13	0.45
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	10	0.45
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	10	0.45
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	15	0.45
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	15	0.45
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	11	0.45
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	11	0.45
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	11	0.45
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	11	0.45
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	11	0.45
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	11	0.45
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	15	0.45
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	15	0.45
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	15	0.45
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	15	0.45
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	15	0.45
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	15	0.45
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	1	0.45
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	1	0.45
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	1	0.45
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	1	0.45
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	1	0.45
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	1	0.45
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	18	0.45
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	18	0.45
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	18	0.45
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	18	0.45
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	18	0.45
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	18	0.45
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	18	0.45
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	18	0.45
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	18	0.45
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	18	0.45
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	18	0.45
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	18	0.45
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	1	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	1	0.45
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	1	0.45
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	1	0.45
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	1	0.45
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	1	0.45
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	9	0.45
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	9	0.45
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	9	0.45
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	8	0.45
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	8	0.45
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	8	0.45
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	8	0.45
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	13	0.45
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	13	0.45
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	13	0.45
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	19	0.45
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	19	0.45
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	19	0.45
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	19	0.45
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	19	0.45
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	19	0.45
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	19	0.45
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	19	0.45
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	19	0.45
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB1	18	0.45
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB2	18	0.45
(1,2169)	1:357:A:VAL:HG21	1:442:A:ALA:HB3	18	0.45
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB1	18	0.45
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB2	18	0.45
(1,2169)	1:357:A:VAL:HG22	1:442:A:ALA:HB3	18	0.45
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB1	18	0.45
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB2	18	0.45
(1,2169)	1:357:A:VAL:HG23	1:442:A:ALA:HB3	18	0.45
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	19	0.45
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	19	0.45
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	19	0.45
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	9	0.45
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	14	0.45
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	17	0.45
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD21	7	0.45
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD22	7	0.45
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD23	7	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD21	18	0.45
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD22	18	0.45
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD23	18	0.45
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	10	0.45
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	10	0.45
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	10	0.45
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	18	0.45
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	18	0.45
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	18	0.45
(1,2045)	1:450:A:GLU:H	1:450:A:GLU:HG3	19	0.45
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD21	8	0.45
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD22	8	0.45
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD23	8	0.45
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD21	8	0.45
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD22	8	0.45
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD23	8	0.45
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD21	8	0.45
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD22	8	0.45
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD23	8	0.45
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	3	0.45
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	13	0.45
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	13	0.45
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	13	0.45
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	20	0.45
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	20	0.45
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	20	0.45
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	5	0.45
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	5	0.45
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	5	0.45
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	13	0.45
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	13	0.45
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	13	0.45
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	8	0.45
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	13	0.45
(1,1633)	1:383:A:PHE:HA	1:394:A:ARG:HG2	1	0.45
(1,1633)	1:383:A:PHE:HA	1:394:A:ARG:HG3	1	0.45
(1,1590)	1:373:A:PRO:HD2	1:404:A:LEU:HD11	19	0.45
(1,1590)	1:373:A:PRO:HD2	1:404:A:LEU:HD12	19	0.45
(1,1590)	1:373:A:PRO:HD2	1:404:A:LEU:HD13	19	0.45
(1,1438)	1:354:A:MET:HB2	1:440:A:ASN:H	10	0.45
(1,1438)	1:354:A:MET:HB3	1:440:A:ASN:H	10	0.45
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	10	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1418)	1:427:A:PHE:HD1	1:428:A:ASP:HB2	4	0.45
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	7	0.45
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	7	0.45
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	7	0.45
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	4	0.45
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	4	0.45
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	4	0.45
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	19	0.45
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	19	0.45
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	19	0.45
(1,1314)	1:436:A:LEU:HG	1:437:A:PRO:HD3	16	0.45
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	16	0.45
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	16	0.45
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	16	0.45
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	19	0.45
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	19	0.45
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	19	0.45
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	6	0.45
(1,1184)	1:367:A:PHE:HB3	1:377:A:GLN:HG2	10	0.45
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	17	0.45
(1,1122)	1:447:A:ARG:HD2	1:448:A:PHE:H	3	0.45
(1,1122)	1:447:A:ARG:HD3	1:448:A:PHE:H	3	0.45
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD21	11	0.45
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD22	11	0.45
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD21	19	0.45
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD22	19	0.45
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	6	0.45
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	18	0.45
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	20	0.45
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	2	0.45
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	3	0.45
(1,1013)	1:354:A:MET:HG3	1:389:A:ASN:H	20	0.45
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	19	0.45
(1,970)	1:465:A:GLN:HE21	1:466:A:PRO:HD2	6	0.45
(1,970)	1:465:A:GLN:HE22	1:466:A:PRO:HD2	6	0.45
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	5	0.45
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	5	0.45
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	5	0.45
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	1	0.45
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	19	0.45
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	11	0.45
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	11	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	12	0.45
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	12	0.45
(1,946)	1:387:A:PRO:HG2	1:391:A:VAL:H	12	0.45
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	4	0.45
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD2	4	0.45
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD3	4	0.45
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	6	0.45
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	17	0.45
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	4	0.45
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	9	0.45
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	9	0.45
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	11	0.45
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	6	0.45
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	6	0.45
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	6	0.45
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	13	0.45
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	13	0.45
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	13	0.45
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	2	0.45
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	4	0.45
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	4	0.45
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	4	0.45
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	10	0.45
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	8	0.45
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	8	0.45
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	13	0.45
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	13	0.45
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	17	0.45
(1,510)	1:418:A:ARG:H	1:418:A:ARG:HD2	16	0.45
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	12	0.45
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	13	0.45
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	1	0.45
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	1	0.45
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	10	0.45
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	10	0.45
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	4	0.45
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	19	0.45
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	9	0.45
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	19	0.45
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	17	0.45
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	1	0.45
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	1	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	1	0.45
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	3	0.45
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	3	0.45
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	3	0.45
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	4	0.45
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	4	0.45
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	4	0.45
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	10	0.45
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	10	0.45
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	10	0.45
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	6	0.45
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG21	3	0.45
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG22	3	0.45
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG23	3	0.45
(1,67)	1:386:A:GLY:H	1:391:A:VAL:HB	1	0.45
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	15	0.44
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	15	0.44
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG2	2	0.44
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG3	2	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD11	16	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD12	16	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD13	16	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD21	16	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD22	16	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD23	16	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD11	17	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD12	17	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD13	17	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD21	17	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD22	17	0.44
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD23	17	0.44
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	6	0.44
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	6	0.44
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	2	0.44
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	2	0.44
(1,2943)	1:418:A:ARG:HD2	1:419:A:GLY:H	7	0.44
(1,2943)	1:418:A:ARG:HD3	1:419:A:GLY:H	7	0.44
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE2	3	0.44
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE3	3	0.44
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	20	0.44
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	20	0.44
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	20	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	20	0.44
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	20	0.44
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	20	0.44
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	20	0.44
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	20	0.44
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	20	0.44
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	20	0.44
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	20	0.44
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	20	0.44
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	20	0.44
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	20	0.44
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	20	0.44
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	20	0.44
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	20	0.44
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	20	0.44
(1,2850)	1:400:A:VAL:HG11	1:426:A:SER:H	12	0.44
(1,2850)	1:400:A:VAL:HG12	1:426:A:SER:H	12	0.44
(1,2850)	1:400:A:VAL:HG13	1:426:A:SER:H	12	0.44
(1,2850)	1:400:A:VAL:HG21	1:426:A:SER:H	12	0.44
(1,2850)	1:400:A:VAL:HG22	1:426:A:SER:H	12	0.44
(1,2850)	1:400:A:VAL:HG23	1:426:A:SER:H	12	0.44
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	20	0.44
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	20	0.44
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	20	0.44
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	20	0.44
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	20	0.44
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	20	0.44
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD2	4	0.44
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD3	4	0.44
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD2	4	0.44
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD3	4	0.44
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD2	12	0.44
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD3	12	0.44
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	1	0.44
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	1	0.44
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	1	0.44
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	1	0.44
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	1	0.44
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	1	0.44
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	1	0.44
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	1	0.44
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	1	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	1	0.44
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	1	0.44
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	1	0.44
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	1	0.44
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	1	0.44
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	1	0.44
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	1	0.44
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	1	0.44
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	1	0.44
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	12	0.44
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	12	0.44
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	13	0.44
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	13	0.44
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	13	0.44
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	13	0.44
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	13	0.44
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	13	0.44
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD11	6	0.44
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD12	6	0.44
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD13	6	0.44
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD21	6	0.44
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD22	6	0.44
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD23	6	0.44
(1,2567)	1:366:A:ASN:HB2	1:368:A:GLY:H	13	0.44
(1,2567)	1:366:A:ASN:HB3	1:368:A:GLY:H	13	0.44
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD11	5	0.44
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD12	5	0.44
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD13	5	0.44
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD21	5	0.44
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD22	5	0.44
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD23	5	0.44
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	3	0.44
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	3	0.44
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	3	0.44
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	3	0.44
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	3	0.44
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	3	0.44
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	9	0.44
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	9	0.44
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	9	0.44
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	9	0.44
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	9	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	9	0.44
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	9	0.44
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	9	0.44
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	9	0.44
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	9	0.44
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	9	0.44
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	9	0.44
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	4	0.44
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	4	0.44
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	4	0.44
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	4	0.44
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	4	0.44
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	4	0.44
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB2	16	0.44
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB3	16	0.44
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	17	0.44
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	17	0.44
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	17	0.44
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	20	0.44
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	20	0.44
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	20	0.44
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	2	0.44
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	2	0.44
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	2	0.44
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD2	3	0.44
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD3	3	0.44
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	11	0.44
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	20	0.44
(1,2041)	1:389:A:ASN:HA	1:421:A:GLU:HG3	17	0.44
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD21	11	0.44
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD22	11	0.44
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD23	11	0.44
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD21	11	0.44
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD22	11	0.44
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD23	11	0.44
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD21	11	0.44
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD22	11	0.44
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD23	11	0.44
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	18	0.44
(1,1885)	1:419:A:GLY:HA3	1:438:A:PRO:HG3	6	0.44
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	15	0.44
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	15	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	15	0.44
(1,1803)	1:459:A:ASP:HA	1:462:A:LEU:H	17	0.44
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	2	0.44
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	2	0.44
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	2	0.44
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	15	0.44
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	15	0.44
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	15	0.44
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	10	0.44
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	1	0.44
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	1	0.44
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	1	0.44
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	15	0.44
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	15	0.44
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	15	0.44
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	18	0.44
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	18	0.44
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	18	0.44
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	3	0.44
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	9	0.44
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	13	0.44
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	17	0.44
(1,1663)	1:407:A:LYS:HA	1:427:A:PHE:HE1	3	0.44
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	7	0.44
(1,1634)	1:380:A:PRO:HG3	1:383:A:PHE:HA	3	0.44
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	9	0.44
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	9	0.44
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	9	0.44
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	9	0.44
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	9	0.44
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	9	0.44
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	9	0.44
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	9	0.44
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	9	0.44
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	17	0.44
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	17	0.44
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	9	0.44
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	9	0.44
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	9	0.44
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	16	0.44
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	16	0.44
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	16	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	20	0.44
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	20	0.44
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	20	0.44
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	12	0.44
(1,1407)	1:426:A:SER:HA	1:430:A:GLU:H	16	0.44
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	8	0.44
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	8	0.44
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	8	0.44
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	10	0.44
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	10	0.44
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	10	0.44
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	3	0.44
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	3	0.44
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	3	0.44
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	15	0.44
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	15	0.44
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	15	0.44
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	16	0.44
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	16	0.44
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	16	0.44
(1,1314)	1:436:A:LEU:HG	1:437:A:PRO:HD3	17	0.44
(1,1140)	1:466:A:PRO:HG2	1:468:A:SER:H	18	0.44
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	4	0.44
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	13	0.44
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	6	0.44
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	9	0.44
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD21	8	0.44
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD22	8	0.44
(1,1091)	1:416:A:ASP:HB2	1:418:A:ARG:H	14	0.44
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	13	0.44
(1,1087)	1:412:A:TYR:HD1	1:413:A:LEU:H	10	0.44
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	5	0.44
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	5	0.44
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	6	0.44
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	10	0.44
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	10	0.44
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	2	0.44
(1,1041)	1:359:A:VAL:H	1:383:A:PHE:HB2	7	0.44
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	4	0.44
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE21	9	0.44
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE22	9	0.44
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE21	9	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE22	9	0.44
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	12	0.44
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	3	0.44
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	8	0.44
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	5	0.44
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	7	0.44
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	7	0.44
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	7	0.44
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	17	0.44
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	9	0.44
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	9	0.44
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	9	0.44
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	8	0.44
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	8	0.44
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	8	0.44
(1,740)	1:360:A:TYR:H	1:360:A:TYR:HD1	13	0.44
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	8	0.44
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	12	0.44
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	19	0.44
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	19	0.44
(1,514)	1:451:A:ASN:H	1:453:A:CYS:H	2	0.44
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	3	0.44
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	3	0.44
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	3	0.44
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	9	0.44
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	9	0.44
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	9	0.44
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	10	0.44
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	10	0.44
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	10	0.44
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	1	0.44
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	13	0.44
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG2	10	0.44
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG3	10	0.44
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	11	0.44
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	16	0.44
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	19	0.44
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	13	0.44
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	12	0.44
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	12	0.44
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	12	0.44
(1,55)	1:418:A:ARG:HB3	1:420:A:GLY:H	16	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:420:A:GLY:H	1:436:A:LEU:HA	18	0.44
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	10	0.44
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	10	0.44
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	10	0.44
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	12	0.44
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	16	0.44
(1,3062)	1:447:A:ARG:HA	1:449:A:LEU:HD11	8	0.43
(1,3062)	1:447:A:ARG:HA	1:449:A:LEU:HD12	8	0.43
(1,3062)	1:447:A:ARG:HA	1:449:A:LEU:HD13	8	0.43
(1,3062)	1:447:A:ARG:HA	1:449:A:LEU:HD21	8	0.43
(1,3062)	1:447:A:ARG:HA	1:449:A:LEU:HD22	8	0.43
(1,3062)	1:447:A:ARG:HA	1:449:A:LEU:HD23	8	0.43
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	1	0.43
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	1	0.43
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	9	0.43
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	9	0.43
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	4	0.43
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	4	0.43
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	4	0.43
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	4	0.43
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	4	0.43
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	4	0.43
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	10	0.43
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	10	0.43
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	16	0.43
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	16	0.43
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD11	18	0.43
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD12	18	0.43
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD13	18	0.43
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD21	18	0.43
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD22	18	0.43
(1,2902)	1:412:A:TYR:HD1	1:456:A:LEU:HD23	18	0.43
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	2	0.43
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	2	0.43
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	2	0.43
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	2	0.43
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	2	0.43
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	2	0.43
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	17	0.43
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	17	0.43
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	17	0.43
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	17	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	17	0.43
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	17	0.43
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	3	0.43
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	3	0.43
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	1	0.43
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	1	0.43
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	17	0.43
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	17	0.43
(1,2559)	1:365:A:GLY:HA2	1:460:A:ASN:HB2	16	0.43
(1,2559)	1:365:A:GLY:HA2	1:460:A:ASN:HB3	16	0.43
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	5	0.43
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	5	0.43
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	5	0.43
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	5	0.43
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	5	0.43
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	5	0.43
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	20	0.43
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	20	0.43
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	20	0.43
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	20	0.43
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	20	0.43
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	20	0.43
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	15	0.43
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	15	0.43
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	15	0.43
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	15	0.43
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	15	0.43
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	15	0.43
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	18	0.43
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	18	0.43
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	18	0.43
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	18	0.43
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	18	0.43
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	18	0.43
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	5	0.43
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	5	0.43
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	5	0.43
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	5	0.43
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	5	0.43
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	5	0.43
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	5	0.43
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	5	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	5	0.43
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	5	0.43
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	5	0.43
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	5	0.43
(1,2461)	1:359:A:VAL:HG11	1:360:A:TYR:HA	8	0.43
(1,2461)	1:359:A:VAL:HG12	1:360:A:TYR:HA	8	0.43
(1,2461)	1:359:A:VAL:HG13	1:360:A:TYR:HA	8	0.43
(1,2461)	1:359:A:VAL:HG21	1:360:A:TYR:HA	8	0.43
(1,2461)	1:359:A:VAL:HG22	1:360:A:TYR:HA	8	0.43
(1,2461)	1:359:A:VAL:HG23	1:360:A:TYR:HA	8	0.43
(1,2398)	1:373:A:PRO:HA	1:377:A:GLN:HE21	20	0.43
(1,2398)	1:373:A:PRO:HA	1:377:A:GLN:HE22	20	0.43
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	13	0.43
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	11	0.43
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	11	0.43
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	11	0.43
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	13	0.43
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	13	0.43
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	13	0.43
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	9	0.43
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	9	0.43
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	9	0.43
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	11	0.43
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	11	0.43
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	11	0.43
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	11	0.43
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	11	0.43
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	11	0.43
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	11	0.43
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	11	0.43
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	11	0.43
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	19	0.43
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	19	0.43
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	19	0.43
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	17	0.43
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	17	0.43
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	17	0.43
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	19	0.43
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	19	0.43
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	19	0.43
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD2	11	0.43
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD3	11	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	20	0.43
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	8	0.43
(1,2045)	1:450:A:GLU:H	1:450:A:GLU:HG3	2	0.43
(1,2045)	1:450:A:GLU:H	1:450:A:GLU:HG3	12	0.43
(1,2045)	1:450:A:GLU:H	1:450:A:GLU:HG3	17	0.43
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	12	0.43
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	4	0.43
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	19	0.43
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	3	0.43
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	3	0.43
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	3	0.43
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	4	0.43
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	4	0.43
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	4	0.43
(1,1843)	1:396:A:VAL:HG11	1:452:A:PHE:HA	20	0.43
(1,1843)	1:396:A:VAL:HG12	1:452:A:PHE:HA	20	0.43
(1,1843)	1:396:A:VAL:HG13	1:452:A:PHE:HA	20	0.43
(1,1825)	1:396:A:VAL:HA	1:452:A:PHE:HZ	1	0.43
(1,1825)	1:396:A:VAL:HA	1:452:A:PHE:HZ	11	0.43
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	5	0.43
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	5	0.43
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	5	0.43
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	10	0.43
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	10	0.43
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	10	0.43
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	9	0.43
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	9	0.43
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	9	0.43
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	7	0.43
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	15	0.43
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	17	0.43
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	14	0.43
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	17	0.43
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	4	0.43
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	8	0.43
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	15	0.43
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	1	0.43
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	18	0.43
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	18	0.43
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	18	0.43
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	15	0.43
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	13	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	13	0.43
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	13	0.43
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	12	0.43
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	12	0.43
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	12	0.43
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	11	0.43
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	11	0.43
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	11	0.43
(1,1319)	1:372:A:ASP:HA	1:374:A:LYS:HE2	5	0.43
(1,1319)	1:372:A:ASP:HA	1:374:A:LYS:HE3	5	0.43
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	7	0.43
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	8	0.43
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	9	0.43
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	12	0.43
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	5	0.43
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	3	0.43
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	16	0.43
(1,1087)	1:412:A:TYR:HD1	1:413:A:LEU:H	17	0.43
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	11	0.43
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	5	0.43
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	13	0.43
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	13	0.43
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	15	0.43
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	13	0.43
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	16	0.43
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	16	0.43
(1,946)	1:387:A:PRO:HG2	1:391:A:VAL:H	3	0.43
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	7	0.43
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	17	0.43
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	6	0.43
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	8	0.43
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	15	0.43
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	19	0.43
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	12	0.43
(1,883)	1:357:A:VAL:H	1:384:A:GLY:HA3	4	0.43
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	1	0.43
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	8	0.43
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	20	0.43
(1,855)	1:387:A:PRO:HD2	1:390:A:VAL:H	8	0.43
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	3	0.43
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	3	0.43
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	4	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:448:A:PHE:HA	1:452:A:PHE:H	17	0.43
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	3	0.43
(1,590)	1:375:A:ARG:HD2	1:376:A:ILE:H	16	0.43
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	10	0.43
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	10	0.43
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	18	0.43
(1,367)	1:446:A:LEU:HD21	1:464:A:SER:H	16	0.43
(1,367)	1:446:A:LEU:HD22	1:464:A:SER:H	16	0.43
(1,367)	1:446:A:LEU:HD23	1:464:A:SER:H	16	0.43
(1,367)	1:446:A:LEU:HD11	1:464:A:SER:H	16	0.43
(1,367)	1:446:A:LEU:HD12	1:464:A:SER:H	16	0.43
(1,367)	1:446:A:LEU:HD13	1:464:A:SER:H	16	0.43
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	12	0.43
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	20	0.43
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	20	0.43
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	18	0.43
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	1	0.43
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	5	0.43
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	5	0.43
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	5	0.43
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	18	0.43
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	18	0.43
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	18	0.43
(1,176)	1:365:A:GLY:H	1:366:A:ASN:H	5	0.43
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	5	0.43
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	10	0.43
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	9	0.43
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	9	0.43
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	9	0.43
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	17	0.43
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	7	0.43
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	13	0.43
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	19	0.43
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	19	0.43
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	19	0.43
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB2	2	0.42
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB3	2	0.42
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	2	0.42
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	2	0.42
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	2	0.42
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	2	0.42
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	2	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	2	0.42
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG2	2	0.42
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG3	2	0.42
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG2	12	0.42
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG3	12	0.42
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD21	1	0.42
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD22	1	0.42
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD21	1	0.42
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD22	1	0.42
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD21	1	0.42
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD22	1	0.42
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD21	1	0.42
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD22	1	0.42
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD21	1	0.42
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD22	1	0.42
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD21	1	0.42
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD22	1	0.42
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB2	8	0.42
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB3	8	0.42
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	7	0.42
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	7	0.42
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE21	16	0.42
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE21	16	0.42
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE21	16	0.42
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE21	16	0.42
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE21	16	0.42
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE21	16	0.42
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE22	16	0.42
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE22	16	0.42
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE22	16	0.42
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE22	16	0.42
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE22	16	0.42
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE22	16	0.42
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD11	8	0.42
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD12	8	0.42
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD13	8	0.42
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD21	8	0.42
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD22	8	0.42
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD23	8	0.42
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD11	19	0.42
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD12	19	0.42
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD13	19	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD21	19	0.42
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD22	19	0.42
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD23	19	0.42
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	5	0.42
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	5	0.42
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE2	4	0.42
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE3	4	0.42
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	9	0.42
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	9	0.42
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	9	0.42
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	9	0.42
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	9	0.42
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	9	0.42
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	9	0.42
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	9	0.42
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	9	0.42
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	9	0.42
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	9	0.42
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	9	0.42
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	9	0.42
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	9	0.42
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	9	0.42
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	9	0.42
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	9	0.42
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	9	0.42
(1,2839)	1:400:A:VAL:HG11	1:410:A:PHE:H	17	0.42
(1,2839)	1:400:A:VAL:HG12	1:410:A:PHE:H	17	0.42
(1,2839)	1:400:A:VAL:HG13	1:410:A:PHE:H	17	0.42
(1,2839)	1:400:A:VAL:HG21	1:410:A:PHE:H	17	0.42
(1,2839)	1:400:A:VAL:HG22	1:410:A:PHE:H	17	0.42
(1,2839)	1:400:A:VAL:HG23	1:410:A:PHE:H	17	0.42
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	12	0.42
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	12	0.42
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	12	0.42
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	12	0.42
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	12	0.42
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	12	0.42
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG2	8	0.42
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG3	8	0.42
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	8	0.42
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	8	0.42
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	8	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	8	0.42
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	8	0.42
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	8	0.42
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	12	0.42
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	12	0.42
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	12	0.42
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	12	0.42
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	12	0.42
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	12	0.42
(1,2460)	1:359:A:VAL:HG11	1:360:A:TYR:H	8	0.42
(1,2460)	1:359:A:VAL:HG12	1:360:A:TYR:H	8	0.42
(1,2460)	1:359:A:VAL:HG13	1:360:A:TYR:H	8	0.42
(1,2460)	1:359:A:VAL:HG21	1:360:A:TYR:H	8	0.42
(1,2460)	1:359:A:VAL:HG22	1:360:A:TYR:H	8	0.42
(1,2460)	1:359:A:VAL:HG23	1:360:A:TYR:H	8	0.42
(1,2385)	1:376:A:ILE:HG21	1:379:A:LEU:HD21	5	0.42
(1,2385)	1:376:A:ILE:HG21	1:379:A:LEU:HD22	5	0.42
(1,2385)	1:376:A:ILE:HG21	1:379:A:LEU:HD23	5	0.42
(1,2385)	1:376:A:ILE:HG22	1:379:A:LEU:HD21	5	0.42
(1,2385)	1:376:A:ILE:HG22	1:379:A:LEU:HD22	5	0.42
(1,2385)	1:376:A:ILE:HG22	1:379:A:LEU:HD23	5	0.42
(1,2385)	1:376:A:ILE:HG23	1:379:A:LEU:HD21	5	0.42
(1,2385)	1:376:A:ILE:HG23	1:379:A:LEU:HD22	5	0.42
(1,2385)	1:376:A:ILE:HG23	1:379:A:LEU:HD23	5	0.42
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	6	0.42
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	6	0.42
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	6	0.42
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	19	0.42
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	19	0.42
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	19	0.42
(1,2296)	1:359:A:VAL:HA	1:464:A:SER:HB3	15	0.42
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	17	0.42
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	16	0.42
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	16	0.42
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	16	0.42
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	16	0.42
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	16	0.42
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	16	0.42
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	16	0.42
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	16	0.42
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	16	0.42
(1,2216)	1:448:A:PHE:HA	1:451:A:ASN:HB2	2	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2216)	1:448:A:PHE:HA	1:451:A:ASN:HB3	2	0.42
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	5	0.42
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	5	0.42
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	5	0.42
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	15	0.42
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	15	0.42
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	15	0.42
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	10	0.42
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	10	0.42
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	10	0.42
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	16	0.42
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	16	0.42
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	16	0.42
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	18	0.42
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	18	0.42
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	18	0.42
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	4	0.42
(1,2085)	1:454:A:HIS:HA	1:456:A:LEU:HG	12	0.42
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	13	0.42
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	14	0.42
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	5	0.42
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	5	0.42
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	5	0.42
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	8	0.42
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	8	0.42
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	8	0.42
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	9	0.42
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	9	0.42
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	9	0.42
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	16	0.42
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	16	0.42
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG2	18	0.42
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG3	18	0.42
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	14	0.42
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	14	0.42
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	13	0.42
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	3	0.42
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	3	0.42
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	3	0.42
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	15	0.42
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	7	0.42
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	12	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	18	0.42
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	19	0.42
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	14	0.42
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	18	0.42
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	18	0.42
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	18	0.42
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	18	0.42
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	18	0.42
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	18	0.42
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	17	0.42
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	17	0.42
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	17	0.42
(1,1319)	1:372:A:ASP:HA	1:374:A:LYS:HE2	16	0.42
(1,1319)	1:372:A:ASP:HA	1:374:A:LYS:HE3	16	0.42
(1,1314)	1:436:A:LEU:HG	1:437:A:PRO:HD3	1	0.42
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	15	0.42
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	20	0.42
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	5	0.42
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	2	0.42
(1,1095)	1:421:A:GLU:H	1:437:A:PRO:HD2	18	0.42
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	2	0.42
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	16	0.42
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	13	0.42
(1,1056)	1:393:A:ARG:HB3	1:397:A:GLN:HE21	2	0.42
(1,1056)	1:393:A:ARG:HB3	1:397:A:GLN:HE22	2	0.42
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	7	0.42
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	7	0.42
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	11	0.42
(1,970)	1:465:A:GLN:HE21	1:466:A:PRO:HD2	4	0.42
(1,970)	1:465:A:GLN:HE22	1:466:A:PRO:HD2	4	0.42
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	1	0.42
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	1	0.42
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	1	0.42
(1,946)	1:387:A:PRO:HG2	1:391:A:VAL:H	10	0.42
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	17	0.42
(1,870)	1:371:A:LEU:H	1:456:A:LEU:HB3	20	0.42
(1,855)	1:387:A:PRO:HD2	1:390:A:VAL:H	18	0.42
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	4	0.42
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	4	0.42
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	17	0.42
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	17	0.42
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	14	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	17	0.42
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	2	0.42
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	2	0.42
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	2	0.42
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	9	0.42
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	11	0.42
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	18	0.42
(1,580)	1:466:A:PRO:HG3	1:468:A:SER:H	19	0.42
(1,572)	1:447:A:ARG:H	1:448:A:PHE:HB2	1	0.42
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	3	0.42
(1,382)	1:417:A:ASN:H	1:418:A:ARG:HB2	7	0.42
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	12	0.42
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	13	0.42
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	20	0.42
(1,308)	1:400:A:VAL:HB	1:424:A:THR:H	15	0.42
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	16	0.42
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	4	0.42
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	2	0.42
(1,49)	1:420:A:GLY:H	1:436:A:LEU:HA	19	0.42
(1,3114)	1:453:A:CYS:HB2	1:459:A:ASP:HA	8	0.41
(1,3114)	1:453:A:CYS:HB3	1:459:A:ASP:HA	8	0.41
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG2	7	0.41
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG3	7	0.41
(1,3056)	1:446:A:LEU:HB2	1:464:A:SER:H	15	0.41
(1,3056)	1:446:A:LEU:HB3	1:464:A:SER:H	15	0.41
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	14	0.41
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	14	0.41
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	14	0.41
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	14	0.41
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	14	0.41
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	14	0.41
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	19	0.41
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	19	0.41
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	19	0.41
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	19	0.41
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	19	0.41
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	19	0.41
(1,2950)	1:420:A:GLY:HA2	1:439:A:VAL:H	16	0.41
(1,2950)	1:420:A:GLY:HA3	1:439:A:VAL:H	16	0.41
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	2	0.41
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	2	0.41
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	9	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	9	0.41
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	14	0.41
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	14	0.41
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	14	0.41
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	14	0.41
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	14	0.41
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	14	0.41
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	14	0.41
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	14	0.41
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	14	0.41
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	14	0.41
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	14	0.41
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	14	0.41
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	14	0.41
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	14	0.41
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	14	0.41
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	14	0.41
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	14	0.41
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	14	0.41
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	12	0.41
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	12	0.41
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	12	0.41
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	12	0.41
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	12	0.41
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	12	0.41
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	12	0.41
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	12	0.41
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	12	0.41
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	12	0.41
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	12	0.41
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	12	0.41
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	12	0.41
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	12	0.41
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	12	0.41
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	12	0.41
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	12	0.41
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	12	0.41
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	16	0.41
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	16	0.41
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	16	0.41
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	16	0.41
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	16	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	16	0.41
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	16	0.41
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	16	0.41
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	16	0.41
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	16	0.41
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	16	0.41
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	16	0.41
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	16	0.41
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	16	0.41
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	16	0.41
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	16	0.41
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	16	0.41
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	16	0.41
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD11	20	0.41
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD12	20	0.41
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD13	20	0.41
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD21	20	0.41
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD22	20	0.41
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD23	20	0.41
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD2	4	0.41
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD3	4	0.41
(1,2632)	1:375:A:ARG:HA	1:402:A:CYS:HB2	3	0.41
(1,2632)	1:375:A:ARG:HA	1:402:A:CYS:HB3	3	0.41
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	5	0.41
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	5	0.41
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	2	0.41
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	2	0.41
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	14	0.41
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	14	0.41
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	4	0.41
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	4	0.41
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	4	0.41
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	4	0.41
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	4	0.41
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	4	0.41
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	7	0.41
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	7	0.41
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	7	0.41
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	7	0.41
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	7	0.41
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	7	0.41
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	3	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	3	0.41
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	3	0.41
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	3	0.41
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	3	0.41
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	3	0.41
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	7	0.41
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	7	0.41
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	7	0.41
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	7	0.41
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	7	0.41
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	7	0.41
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	12	0.41
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	12	0.41
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	12	0.41
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	12	0.41
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	12	0.41
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	12	0.41
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	10	0.41
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	10	0.41
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	10	0.41
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	10	0.41
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	10	0.41
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	10	0.41
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB2	11	0.41
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB3	11	0.41
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	12	0.41
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	20	0.41
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	1	0.41
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	1	0.41
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	1	0.41
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	7	0.41
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	7	0.41
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	7	0.41
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	20	0.41
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	20	0.41
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	20	0.41
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	16	0.41
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	16	0.41
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	16	0.41
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	13	0.41
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	13	0.41
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	14	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	15	0.41
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	20	0.41
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	20	0.41
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	20	0.41
(1,2149)	1:439:A:VAL:HG11	1:444:A:PHE:HB2	5	0.41
(1,2149)	1:439:A:VAL:HG12	1:444:A:PHE:HB2	5	0.41
(1,2149)	1:439:A:VAL:HG13	1:444:A:PHE:HB2	5	0.41
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD2	9	0.41
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD3	9	0.41
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	8	0.41
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD11	16	0.41
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD12	16	0.41
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD13	16	0.41
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	2	0.41
(1,1953)	1:374:A:LYS:HB2	1:375:A:ARG:HD3	13	0.41
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	6	0.41
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	8	0.41
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	5	0.41
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	7	0.41
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	7	0.41
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	7	0.41
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	8	0.41
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	20	0.41
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	1	0.41
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	12	0.41
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	14	0.41
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	14	0.41
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	14	0.41
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	3	0.41
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	17	0.41
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	17	0.41
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	17	0.41
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	2	0.41
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	2	0.41
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	2	0.41
(1,1297)	1:446:A:LEU:HD11	1:464:A:SER:HA	7	0.41
(1,1297)	1:446:A:LEU:HD12	1:464:A:SER:HA	7	0.41
(1,1297)	1:446:A:LEU:HD13	1:464:A:SER:HA	7	0.41
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	3	0.41
(1,1181)	1:363:A:LYS:HB2	1:377:A:GLN:HG3	4	0.41
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	6	0.41
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	20	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:400:A:VAL:HB	1:410:A:PHE:HA	19	0.41
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	18	0.41
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	10	0.41
(1,1088)	1:412:A:TYR:H	1:412:A:TYR:HE1	18	0.41
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	18	0.41
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD21	18	0.41
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD22	18	0.41
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE21	18	0.41
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE22	18	0.41
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE21	18	0.41
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE22	18	0.41
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	5	0.41
(1,970)	1:465:A:GLN:HE21	1:466:A:PRO:HD2	11	0.41
(1,970)	1:465:A:GLN:HE22	1:466:A:PRO:HD2	11	0.41
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	1	0.41
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	1	0.41
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	1	0.41
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	1	0.41
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	10	0.41
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	10	0.41
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	10	0.41
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	17	0.41
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	3	0.41
(1,902)	1:451:A:ASN:HD21	1:452:A:PHE:HB2	11	0.41
(1,902)	1:451:A:ASN:HD22	1:452:A:PHE:HB2	11	0.41
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	3	0.41
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	3	0.41
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB1	1	0.41
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB2	1	0.41
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB3	1	0.41
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	1	0.41
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	1	0.41
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	1	0.41
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	19	0.41
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	16	0.41
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	16	0.41
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	16	0.41
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	20	0.41
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	18	0.41
(1,672)	1:415:A:PRO:HB2	1:416:A:ASP:H	1	0.41
(1,672)	1:415:A:PRO:HB3	1:416:A:ASP:H	1	0.41
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	4	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	17	0.41
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	7	0.41
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	7	0.41
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	7	0.41
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	6	0.41
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	19	0.41
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	10	0.41
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	15	0.41
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	12	0.41
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	11	0.41
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	3	0.41
(1,176)	1:365:A:GLY:H	1:366:A:ASN:H	17	0.41
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	2	0.41
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	3	0.41
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	7	0.41
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	12	0.41
(1,139)	1:390:A:VAL:HG21	1:394:A:ARG:H	13	0.41
(1,139)	1:390:A:VAL:HG22	1:394:A:ARG:H	13	0.41
(1,139)	1:390:A:VAL:HG23	1:394:A:ARG:H	13	0.41
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	3	0.41
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	3	0.41
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	3	0.41
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	3	0.41
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	14	0.41
(1,37)	1:419:A:GLY:H	1:435:A:GLN:HG2	19	0.41
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	13	0.4
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	13	0.4
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	14	0.4
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	14	0.4
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG2	1	0.4
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG3	1	0.4
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	14	0.4
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	14	0.4
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	14	0.4
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	14	0.4
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	14	0.4
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	14	0.4
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	14	0.4
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	14	0.4
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	14	0.4
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	14	0.4
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	14	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	14	0.4
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	14	0.4
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	14	0.4
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	14	0.4
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	14	0.4
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	14	0.4
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	14	0.4
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB2	13	0.4
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB3	13	0.4
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	16	0.4
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	16	0.4
(1,2818)	1:399:A:CYS:HA	1:402:A:CYS:HB2	11	0.4
(1,2818)	1:399:A:CYS:HA	1:402:A:CYS:HB3	11	0.4
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD2	12	0.4
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD3	12	0.4
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD2	12	0.4
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD3	12	0.4
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	14	0.4
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	14	0.4
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	14	0.4
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	14	0.4
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	14	0.4
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	14	0.4
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	6	0.4
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	6	0.4
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	6	0.4
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	6	0.4
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	6	0.4
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	6	0.4
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	5	0.4
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	5	0.4
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	9	0.4
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	9	0.4
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	14	0.4
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	14	0.4
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	14	0.4
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	14	0.4
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	14	0.4
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	14	0.4
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	7	0.4
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	7	0.4
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	7	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	7	0.4
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	7	0.4
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	7	0.4
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	14	0.4
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	14	0.4
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	14	0.4
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	14	0.4
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	14	0.4
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	14	0.4
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	15	0.4
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	15	0.4
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	15	0.4
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	15	0.4
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	15	0.4
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	15	0.4
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB2	12	0.4
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB3	12	0.4
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	20	0.4
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	20	0.4
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	20	0.4
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	20	0.4
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	20	0.4
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	20	0.4
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	9	0.4
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	13	0.4
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	13	0.4
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	13	0.4
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	15	0.4
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	15	0.4
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	15	0.4
(1,2233)	1:415:A:PRO:HG2	1:416:A:ASP:H	1	0.4
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	3	0.4
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	7	0.4
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	12	0.4
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	12	0.4
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	12	0.4
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	5	0.4
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	5	0.4
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	5	0.4
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	9	0.4
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	9	0.4
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	9	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	4	0.4
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	4	0.4
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	4	0.4
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	15	0.4
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	15	0.4
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	15	0.4
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	9	0.4
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	9	0.4
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	9	0.4
(1,2149)	1:439:A:VAL:HG11	1:444:A:PHE:HB2	9	0.4
(1,2149)	1:439:A:VAL:HG12	1:444:A:PHE:HB2	9	0.4
(1,2149)	1:439:A:VAL:HG13	1:444:A:PHE:HB2	9	0.4
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD2	5	0.4
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD3	5	0.4
(1,2136)	1:447:A:ARG:HD2	1:448:A:PHE:HB2	15	0.4
(1,2136)	1:447:A:ARG:HD3	1:448:A:PHE:HB2	15	0.4
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	6	0.4
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	16	0.4
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	16	0.4
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	11	0.4
(1,1917)	1:371:A:LEU:HA	1:404:A:LEU:HG	5	0.4
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	8	0.4
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	17	0.4
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	14	0.4
(1,1876)	1:447:A:ARG:HG2	1:448:A:PHE:HA	8	0.4
(1,1876)	1:447:A:ARG:HG3	1:448:A:PHE:HA	8	0.4
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	19	0.4
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	19	0.4
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	19	0.4
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	19	0.4
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	5	0.4
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	5	0.4
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	5	0.4
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	3	0.4
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	11	0.4
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	16	0.4
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	19	0.4
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	4	0.4
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	13	0.4
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	13	0.4
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	13	0.4
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	13	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	13	0.4
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	13	0.4
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	13	0.4
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	13	0.4
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	13	0.4
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	16	0.4
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	8	0.4
(1,1464)	1:434:A:ILE:HG12	1:435:A:GLN:H	17	0.4
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	8	0.4
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	8	0.4
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	8	0.4
(1,1294)	1:439:A:VAL:HG21	1:444:A:PHE:HD1	20	0.4
(1,1294)	1:439:A:VAL:HG22	1:444:A:PHE:HD1	20	0.4
(1,1294)	1:439:A:VAL:HG23	1:444:A:PHE:HD1	20	0.4
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	12	0.4
(1,1196)	1:366:A:ASN:H	1:461:A:LEU:HA	5	0.4
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	17	0.4
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	4	0.4
(1,1184)	1:367:A:PHE:HB3	1:377:A:GLN:HG2	12	0.4
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	16	0.4
(1,1171)	1:363:A:LYS:HG2	1:377:A:GLN:HA	4	0.4
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	8	0.4
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	1	0.4
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	12	0.4
(1,1088)	1:412:A:TYR:H	1:412:A:TYR:HE1	4	0.4
(1,1087)	1:412:A:TYR:HD1	1:413:A:LEU:H	11	0.4
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	13	0.4
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	17	0.4
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	18	0.4
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	11	0.4
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	11	0.4
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	11	0.4
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	19	0.4
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	18	0.4
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	6	0.4
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	17	0.4
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	17	0.4
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	17	0.4
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	20	0.4
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	20	0.4
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	20	0.4
(1,746)	1:358:A:CYS:H	1:464:A:SER:HB3	14	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:360:A:TYR:H	1:360:A:TYR:HD1	7	0.4
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	4	0.4
(1,704)	1:431:A:THR:HG21	1:432:A:HIS:H	6	0.4
(1,704)	1:431:A:THR:HG22	1:432:A:HIS:H	6	0.4
(1,704)	1:431:A:THR:HG23	1:432:A:HIS:H	6	0.4
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	9	0.4
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	9	0.4
(1,497)	1:395:A:ILE:HD11	1:398:A:ALA:H	6	0.4
(1,497)	1:395:A:ILE:HD12	1:398:A:ALA:H	6	0.4
(1,497)	1:395:A:ILE:HD13	1:398:A:ALA:H	6	0.4
(1,479)	1:361:A:VAL:H	1:381:A:ASP:HA	20	0.4
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	18	0.4
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	18	0.4
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	18	0.4
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	3	0.4
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	7	0.4
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	19	0.4
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	3	0.4
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	1	0.4
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	19	0.4
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	7	0.4
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	14	0.39
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	14	0.39
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB2	6	0.39
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB3	6	0.39
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	15	0.39
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	15	0.39
(1,3093)	1:450:A:GLU:HA	1:453:A:CYS:HB2	6	0.39
(1,3093)	1:450:A:GLU:HA	1:453:A:CYS:HB3	6	0.39
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB2	11	0.39
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB3	11	0.39
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	18	0.39
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	18	0.39
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	18	0.39
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	18	0.39
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	18	0.39
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	18	0.39
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	13	0.39
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	13	0.39
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	17	0.39
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	17	0.39
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	18	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	18	0.39
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	18	0.39
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	18	0.39
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	18	0.39
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	18	0.39
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	18	0.39
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	18	0.39
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	18	0.39
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	18	0.39
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	18	0.39
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	18	0.39
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	18	0.39
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	18	0.39
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	18	0.39
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	18	0.39
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	18	0.39
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	18	0.39
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	20	0.39
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	20	0.39
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	20	0.39
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	20	0.39
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	20	0.39
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	20	0.39
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	12	0.39
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	12	0.39
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	12	0.39
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	12	0.39
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	12	0.39
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	12	0.39
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	12	0.39
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	12	0.39
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	12	0.39
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	12	0.39
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	12	0.39
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	12	0.39
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	12	0.39
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	12	0.39
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	12	0.39
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	12	0.39
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	12	0.39
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	12	0.39
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	19	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	19	0.39
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	19	0.39
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	19	0.39
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	19	0.39
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	19	0.39
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	19	0.39
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	19	0.39
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	19	0.39
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	19	0.39
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	19	0.39
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	19	0.39
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	19	0.39
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	19	0.39
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	19	0.39
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	19	0.39
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	19	0.39
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	19	0.39
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	4	0.39
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	4	0.39
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	4	0.39
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	4	0.39
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	4	0.39
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	4	0.39
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	12	0.39
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	12	0.39
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	12	0.39
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	12	0.39
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	12	0.39
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	12	0.39
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	20	0.39
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	20	0.39
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	4	0.39
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	4	0.39
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD11	20	0.39
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD12	20	0.39
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD13	20	0.39
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD21	20	0.39
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD22	20	0.39
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD23	20	0.39
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD11	20	0.39
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD12	20	0.39
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD13	20	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD21	20	0.39
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD22	20	0.39
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD23	20	0.39
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD11	20	0.39
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD12	20	0.39
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD13	20	0.39
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD21	20	0.39
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD22	20	0.39
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD23	20	0.39
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	19	0.39
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	19	0.39
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	19	0.39
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	19	0.39
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	19	0.39
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	19	0.39
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	2	0.39
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	2	0.39
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	2	0.39
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	2	0.39
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	2	0.39
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	2	0.39
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	14	0.39
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	14	0.39
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	14	0.39
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	14	0.39
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	14	0.39
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	14	0.39
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	19	0.39
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	19	0.39
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	19	0.39
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	19	0.39
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	19	0.39
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	19	0.39
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	4	0.39
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	4	0.39
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	4	0.39
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	4	0.39
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	4	0.39
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	4	0.39
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	11	0.39
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	11	0.39
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	11	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	11	0.39
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	11	0.39
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	11	0.39
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	14	0.39
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	14	0.39
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	14	0.39
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	14	0.39
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	14	0.39
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	14	0.39
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	20	0.39
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	20	0.39
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	20	0.39
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	20	0.39
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	20	0.39
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	20	0.39
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	1	0.39
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	1	0.39
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	1	0.39
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	1	0.39
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	1	0.39
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	1	0.39
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	5	0.39
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	5	0.39
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	5	0.39
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	5	0.39
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	5	0.39
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	5	0.39
(1,2373)	1:376:A:ILE:HD11	1:399:A:CYS:HB2	3	0.39
(1,2373)	1:376:A:ILE:HD12	1:399:A:CYS:HB2	3	0.39
(1,2373)	1:376:A:ILE:HD13	1:399:A:CYS:HB2	3	0.39
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	8	0.39
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	8	0.39
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	8	0.39
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	8	0.39
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	8	0.39
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	8	0.39
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	8	0.39
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	8	0.39
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	8	0.39
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	11	0.39
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	11	0.39
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	11	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	5	0.39
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	5	0.39
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	5	0.39
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	5	0.39
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	5	0.39
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	5	0.39
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	5	0.39
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	5	0.39
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	5	0.39
(1,2233)	1:415:A:PRO:HG2	1:416:A:ASP:H	15	0.39
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	7	0.39
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	7	0.39
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	7	0.39
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	11	0.39
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	11	0.39
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	11	0.39
(1,2187)	1:425:A:ALA:HB1	1:433:A:SER:HA	13	0.39
(1,2187)	1:425:A:ALA:HB2	1:433:A:SER:HA	13	0.39
(1,2187)	1:425:A:ALA:HB3	1:433:A:SER:HA	13	0.39
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	1	0.39
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	1	0.39
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	1	0.39
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	13	0.39
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	13	0.39
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	13	0.39
(1,2149)	1:439:A:VAL:HG11	1:444:A:PHE:HB2	17	0.39
(1,2149)	1:439:A:VAL:HG12	1:444:A:PHE:HB2	17	0.39
(1,2149)	1:439:A:VAL:HG13	1:444:A:PHE:HB2	17	0.39
(1,2141)	1:444:A:PHE:HA	1:447:A:ARG:HG2	18	0.39
(1,2141)	1:444:A:PHE:HA	1:447:A:ARG:HG3	18	0.39
(1,2139)	1:372:A:ASP:H	1:375:A:ARG:HD2	18	0.39
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD2	15	0.39
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD3	15	0.39
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	16	0.39
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	18	0.39
(1,2045)	1:450:A:GLU:H	1:450:A:GLU:HG3	18	0.39
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	19	0.39
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	19	0.39
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	12	0.39
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG2	10	0.39
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG3	10	0.39
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	4	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	4	0.39
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	2	0.39
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	5	0.39
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	9	0.39
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	16	0.39
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	10	0.39
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	10	0.39
(1,1885)	1:419:A:GLY:HA3	1:438:A:PRO:HG3	11	0.39
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	11	0.39
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	11	0.39
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	11	0.39
(1,1807)	1:400:A:VAL:HG21	1:409:A:VAL:HB	2	0.39
(1,1807)	1:400:A:VAL:HG22	1:409:A:VAL:HB	2	0.39
(1,1807)	1:400:A:VAL:HG23	1:409:A:VAL:HB	2	0.39
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	1	0.39
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	1	0.39
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	1	0.39
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	9	0.39
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	9	0.39
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	9	0.39
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	11	0.39
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	11	0.39
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	11	0.39
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	11	0.39
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	2	0.39
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	9	0.39
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	16	0.39
(1,1672)	1:407:A:LYS:HA	1:407:A:LYS:HD2	1	0.39
(1,1634)	1:380:A:PRO:HG3	1:383:A:PHE:HA	7	0.39
(1,1581)	1:380:A:PRO:HG3	1:382:A:HIS:H	3	0.39
(1,1581)	1:380:A:PRO:HG3	1:382:A:HIS:H	9	0.39
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	4	0.39
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	4	0.39
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	4	0.39
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	11	0.39
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	11	0.39
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	11	0.39
(1,1415)	1:406:A:THR:HG21	1:427:A:PHE:HB3	5	0.39
(1,1415)	1:406:A:THR:HG22	1:427:A:PHE:HB3	5	0.39
(1,1415)	1:406:A:THR:HG23	1:427:A:PHE:HB3	5	0.39
(1,1407)	1:426:A:SER:HA	1:430:A:GLU:H	9	0.39
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	1	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	1	0.39
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	1	0.39
(1,1312)	1:436:A:LEU:HG	1:437:A:PRO:HD2	17	0.39
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	19	0.39
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	19	0.39
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	9	0.39
(1,1155)	1:467:A:PHE:HB2	1:467:A:PHE:HE1	19	0.39
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	5	0.39
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	7	0.39
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	7	0.39
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	7	0.39
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	10	0.39
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	11	0.39
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	9	0.39
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	9	0.39
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	1	0.39
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	15	0.39
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	15	0.39
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	15	0.39
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	20	0.39
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	20	0.39
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	20	0.39
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	3	0.39
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	14	0.39
(1,855)	1:387:A:PRO:HD2	1:390:A:VAL:H	19	0.39
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	7	0.39
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	7	0.39
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	7	0.39
(1,746)	1:358:A:CYS:H	1:464:A:SER:HB3	12	0.39
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	19	0.39
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	20	0.39
(1,695)	1:359:A:VAL:H	1:386:A:GLY:H	10	0.39
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	13	0.39
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	1	0.39
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	1	0.39
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	4	0.39
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	4	0.39
(1,514)	1:451:A:ASN:H	1:453:A:CYS:H	20	0.39
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	14	0.39
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	13	0.39
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	13	0.39
(1,497)	1:395:A:ILE:HD11	1:398:A:ALA:H	13	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:395:A:ILE:HD12	1:398:A:ALA:H	13	0.39
(1,497)	1:395:A:ILE:HD13	1:398:A:ALA:H	13	0.39
(1,479)	1:361:A:VAL:H	1:381:A:ASP:HA	3	0.39
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	5	0.39
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	2	0.39
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	7	0.39
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	11	0.39
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	20	0.39
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	2	0.39
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	3	0.39
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	11	0.39
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	2	0.39
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	2	0.39
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	2	0.39
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	10	0.39
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	7	0.39
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	12	0.39
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	5	0.39
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	13	0.39
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	1	0.39
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	4	0.39
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	20	0.39
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	16	0.39
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	16	0.39
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	16	0.39
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	20	0.38
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	20	0.38
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	11	0.38
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	11	0.38
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	11	0.38
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	11	0.38
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	11	0.38
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	11	0.38
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	19	0.38
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	19	0.38
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	19	0.38
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	19	0.38
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	19	0.38
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	19	0.38
(1,3056)	1:446:A:LEU:HB2	1:464:A:SER:H	4	0.38
(1,3056)	1:446:A:LEU:HB3	1:464:A:SER:H	4	0.38
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	6	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	6	0.38
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	6	0.38
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	6	0.38
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	6	0.38
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	6	0.38
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	6	0.38
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	6	0.38
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	6	0.38
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	6	0.38
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	6	0.38
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	6	0.38
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	6	0.38
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	6	0.38
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	6	0.38
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	6	0.38
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	6	0.38
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	6	0.38
(1,3036)	1:439:A:VAL:HG11	1:445:A:ALA:H	7	0.38
(1,3036)	1:439:A:VAL:HG12	1:445:A:ALA:H	7	0.38
(1,3036)	1:439:A:VAL:HG13	1:445:A:ALA:H	7	0.38
(1,3036)	1:439:A:VAL:HG21	1:445:A:ALA:H	7	0.38
(1,3036)	1:439:A:VAL:HG22	1:445:A:ALA:H	7	0.38
(1,3036)	1:439:A:VAL:HG23	1:445:A:ALA:H	7	0.38
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	13	0.38
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	13	0.38
(1,2950)	1:420:A:GLY:HA2	1:439:A:VAL:H	19	0.38
(1,2950)	1:420:A:GLY:HA3	1:439:A:VAL:H	19	0.38
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	1	0.38
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	1	0.38
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	20	0.38
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	20	0.38
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE2	15	0.38
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE3	15	0.38
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	5	0.38
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	5	0.38
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	5	0.38
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	5	0.38
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	5	0.38
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	5	0.38
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	5	0.38
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	5	0.38
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	5	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	5	0.38
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	5	0.38
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	5	0.38
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	5	0.38
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	5	0.38
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	5	0.38
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	5	0.38
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	5	0.38
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	5	0.38
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	16	0.38
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	16	0.38
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	16	0.38
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	16	0.38
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	16	0.38
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	16	0.38
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	19	0.38
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	19	0.38
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	19	0.38
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	19	0.38
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	19	0.38
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	19	0.38
(1,2847)	1:400:A:VAL:HG11	1:424:A:THR:HA	8	0.38
(1,2847)	1:400:A:VAL:HG12	1:424:A:THR:HA	8	0.38
(1,2847)	1:400:A:VAL:HG13	1:424:A:THR:HA	8	0.38
(1,2847)	1:400:A:VAL:HG21	1:424:A:THR:HA	8	0.38
(1,2847)	1:400:A:VAL:HG22	1:424:A:THR:HA	8	0.38
(1,2847)	1:400:A:VAL:HG23	1:424:A:THR:HA	8	0.38
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	5	0.38
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	5	0.38
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	5	0.38
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	5	0.38
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	5	0.38
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	5	0.38
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	10	0.38
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	10	0.38
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	10	0.38
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	10	0.38
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	10	0.38
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	10	0.38
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	19	0.38
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	19	0.38
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	19	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	19	0.38
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	19	0.38
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	19	0.38
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	5	0.38
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	5	0.38
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	5	0.38
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	5	0.38
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	5	0.38
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	5	0.38
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	5	0.38
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	5	0.38
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	5	0.38
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	5	0.38
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	5	0.38
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	5	0.38
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	5	0.38
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	5	0.38
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	5	0.38
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	5	0.38
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	5	0.38
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	5	0.38
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	5	0.38
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	5	0.38
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	5	0.38
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	5	0.38
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	5	0.38
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	5	0.38
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD2	9	0.38
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD3	9	0.38
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD2	9	0.38
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD3	9	0.38
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD2	9	0.38
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD3	9	0.38
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD2	9	0.38
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD3	9	0.38
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD2	9	0.38
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD3	9	0.38
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD2	9	0.38
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD3	9	0.38
(1,2712)	1:390:A:VAL:HG11	1:394:A:ARG:HA	16	0.38
(1,2712)	1:390:A:VAL:HG12	1:394:A:ARG:HA	16	0.38
(1,2712)	1:390:A:VAL:HG13	1:394:A:ARG:HA	16	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2712)	1:390:A:VAL:HG21	1:394:A:ARG:HA	16	0.38
(1,2712)	1:390:A:VAL:HG22	1:394:A:ARG:HA	16	0.38
(1,2712)	1:390:A:VAL:HG23	1:394:A:ARG:HA	16	0.38
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	3	0.38
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	3	0.38
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	3	0.38
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	3	0.38
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	3	0.38
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	3	0.38
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	20	0.38
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	20	0.38
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	20	0.38
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	20	0.38
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	20	0.38
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	20	0.38
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG2	19	0.38
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG3	19	0.38
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB1	16	0.38
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB2	16	0.38
(1,2687)	1:388:A:VAL:HG11	1:442:A:ALA:HB3	16	0.38
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB1	16	0.38
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB2	16	0.38
(1,2687)	1:388:A:VAL:HG12	1:442:A:ALA:HB3	16	0.38
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB1	16	0.38
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB2	16	0.38
(1,2687)	1:388:A:VAL:HG13	1:442:A:ALA:HB3	16	0.38
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB1	16	0.38
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB2	16	0.38
(1,2687)	1:388:A:VAL:HG21	1:442:A:ALA:HB3	16	0.38
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB1	16	0.38
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB2	16	0.38
(1,2687)	1:388:A:VAL:HG22	1:442:A:ALA:HB3	16	0.38
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB1	16	0.38
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB2	16	0.38
(1,2687)	1:388:A:VAL:HG23	1:442:A:ALA:HB3	16	0.38
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	3	0.38
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	3	0.38
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	3	0.38
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	3	0.38
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	3	0.38
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	3	0.38
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	5	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	5	0.38
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	5	0.38
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	5	0.38
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	5	0.38
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	5	0.38
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	14	0.38
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	14	0.38
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	14	0.38
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	14	0.38
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	14	0.38
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	14	0.38
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	6	0.38
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	6	0.38
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG11	3	0.38
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG12	3	0.38
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG13	3	0.38
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG21	3	0.38
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG22	3	0.38
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG23	3	0.38
(1,2559)	1:365:A:GLY:HA2	1:460:A:ASN:HB2	17	0.38
(1,2559)	1:365:A:GLY:HA2	1:460:A:ASN:HB3	17	0.38
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	5	0.38
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	5	0.38
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	6	0.38
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	6	0.38
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	6	0.38
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	6	0.38
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	6	0.38
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	6	0.38
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	6	0.38
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	6	0.38
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	17	0.38
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	17	0.38
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	17	0.38
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	17	0.38
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	17	0.38
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	17	0.38
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	3	0.38
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	3	0.38
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	3	0.38
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	3	0.38
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	3	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	3	0.38
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	6	0.38
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	6	0.38
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	6	0.38
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	6	0.38
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	6	0.38
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	6	0.38
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	10	0.38
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	10	0.38
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	10	0.38
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	10	0.38
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	10	0.38
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	10	0.38
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	6	0.38
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	6	0.38
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	6	0.38
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	6	0.38
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	6	0.38
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	6	0.38
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	1	0.38
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	1	0.38
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	1	0.38
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	1	0.38
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	1	0.38
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	1	0.38
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	1	0.38
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	1	0.38
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	1	0.38
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	1	0.38
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	1	0.38
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	1	0.38
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	8	0.38
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	8	0.38
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	8	0.38
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	8	0.38
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	8	0.38
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	8	0.38
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB2	8	0.38
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB3	8	0.38
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	10	0.38
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	10	0.38
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	10	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	16	0.38
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	16	0.38
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	16	0.38
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	10	0.38
(1,2210)	1:451:A:ASN:HA	1:454:A:HIS:HD2	16	0.38
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	5	0.38
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	5	0.38
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	5	0.38
(1,2046)	1:399:A:CYS:HA	1:401:A:ASP:H	20	0.38
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	1	0.38
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	1	0.38
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	1	0.38
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	7	0.38
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	7	0.38
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	7	0.38
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	11	0.38
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	11	0.38
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	11	0.38
(1,1918)	1:379:A:LEU:HD11	1:380:A:PRO:HG3	19	0.38
(1,1918)	1:379:A:LEU:HD12	1:380:A:PRO:HG3	19	0.38
(1,1918)	1:379:A:LEU:HD13	1:380:A:PRO:HG3	19	0.38
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	17	0.38
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	12	0.38
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	12	0.38
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	12	0.38
(1,1842)	1:371:A:LEU:HD21	1:402:A:CYS:HA	12	0.38
(1,1842)	1:371:A:LEU:HD22	1:402:A:CYS:HA	12	0.38
(1,1842)	1:371:A:LEU:HD23	1:402:A:CYS:HA	12	0.38
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	10	0.38
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	10	0.38
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	10	0.38
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	17	0.38
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	17	0.38
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	17	0.38
(1,1807)	1:400:A:VAL:HG21	1:409:A:VAL:HB	1	0.38
(1,1807)	1:400:A:VAL:HG22	1:409:A:VAL:HB	1	0.38
(1,1807)	1:400:A:VAL:HG23	1:409:A:VAL:HB	1	0.38
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	15	0.38
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	15	0.38
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	15	0.38
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	1	0.38
(1,1682)	1:407:A:LYS:HD2	1:427:A:PHE:HD1	11	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1682)	1:407:A:LYS:HD3	1:427:A:PHE:HD1	11	0.38
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	18	0.38
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	18	0.38
(1,1581)	1:380:A:PRO:HG3	1:382:A:HIS:H	2	0.38
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	17	0.38
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	12	0.38
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	12	0.38
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	2	0.38
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	2	0.38
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	2	0.38
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	20	0.38
(1,1407)	1:426:A:SER:HA	1:430:A:GLU:H	2	0.38
(1,1407)	1:426:A:SER:HA	1:430:A:GLU:H	17	0.38
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	3	0.38
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	3	0.38
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	3	0.38
(1,1312)	1:436:A:LEU:HG	1:437:A:PRO:HD2	15	0.38
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	1	0.38
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	9	0.38
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	7	0.38
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	12	0.38
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	12	0.38
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	12	0.38
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	13	0.38
(1,1141)	1:467:A:PHE:HD1	1:468:A:SER:H	19	0.38
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	5	0.38
(1,1122)	1:447:A:ARG:HD2	1:448:A:PHE:H	9	0.38
(1,1122)	1:447:A:ARG:HD3	1:448:A:PHE:H	9	0.38
(1,1120)	1:446:A:LEU:HD21	1:465:A:GLN:HE21	6	0.38
(1,1120)	1:446:A:LEU:HD21	1:465:A:GLN:HE22	6	0.38
(1,1120)	1:446:A:LEU:HD22	1:465:A:GLN:HE21	6	0.38
(1,1120)	1:446:A:LEU:HD22	1:465:A:GLN:HE22	6	0.38
(1,1120)	1:446:A:LEU:HD23	1:465:A:GLN:HE21	6	0.38
(1,1120)	1:446:A:LEU:HD23	1:465:A:GLN:HE22	6	0.38
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	18	0.38
(1,1087)	1:412:A:TYR:HD1	1:413:A:LEU:H	18	0.38
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	5	0.38
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	5	0.38
(1,1041)	1:359:A:VAL:H	1:383:A:PHE:HB2	17	0.38
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	3	0.38
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD21	9	0.38
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD22	9	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	19	0.38
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE21	4	0.38
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE22	4	0.38
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE21	4	0.38
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE22	4	0.38
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	6	0.38
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	6	0.38
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	6	0.38
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	6	0.38
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	1	0.38
(1,970)	1:465:A:GLN:HE21	1:466:A:PRO:HD2	12	0.38
(1,970)	1:465:A:GLN:HE22	1:466:A:PRO:HD2	12	0.38
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	5	0.38
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	9	0.38
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	13	0.38
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	19	0.38
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	5	0.38
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	10	0.38
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	15	0.38
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	13	0.38
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	15	0.38
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	15	0.38
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	15	0.38
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	4	0.38
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	4	0.38
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	4	0.38
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	20	0.38
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	20	0.38
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	20	0.38
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	1	0.38
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	1	0.38
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	2	0.38
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	12	0.38
(1,672)	1:415:A:PRO:HB2	1:416:A:ASP:H	20	0.38
(1,672)	1:415:A:PRO:HB3	1:416:A:ASP:H	20	0.38
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	9	0.38
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	9	0.38
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	10	0.38
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	16	0.38
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	16	0.38
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	16	0.38
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	17	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	6	0.38
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	14	0.38
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	17	0.38
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	4	0.38
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	4	0.38
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	17	0.38
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	16	0.38
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	16	0.38
(1,198)	1:405:A:GLU:HA	1:408:A:THR:H	2	0.38
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	4	0.38
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	3	0.38
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	3	0.38
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	3	0.38
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	9	0.38
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	9	0.38
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	9	0.38
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	11	0.38
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	14	0.38
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	5	0.38
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	17	0.38
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	5	0.37
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	5	0.37
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	5	0.37
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	5	0.37
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	5	0.37
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	5	0.37
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	7	0.37
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	7	0.37
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	7	0.37
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	7	0.37
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	7	0.37
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	7	0.37
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	7	0.37
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	7	0.37
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	7	0.37
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	7	0.37
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	7	0.37
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	7	0.37
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	7	0.37
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	7	0.37
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	7	0.37
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	7	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	7	0.37
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	7	0.37
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	12	0.37
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	12	0.37
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	12	0.37
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	12	0.37
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	12	0.37
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	12	0.37
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	12	0.37
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	12	0.37
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	12	0.37
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	12	0.37
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	12	0.37
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	12	0.37
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	12	0.37
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	12	0.37
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	12	0.37
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	12	0.37
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	12	0.37
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	12	0.37
(1,3036)	1:439:A:VAL:HG11	1:445:A:ALA:H	14	0.37
(1,3036)	1:439:A:VAL:HG12	1:445:A:ALA:H	14	0.37
(1,3036)	1:439:A:VAL:HG13	1:445:A:ALA:H	14	0.37
(1,3036)	1:439:A:VAL:HG21	1:445:A:ALA:H	14	0.37
(1,3036)	1:439:A:VAL:HG22	1:445:A:ALA:H	14	0.37
(1,3036)	1:439:A:VAL:HG23	1:445:A:ALA:H	14	0.37
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD21	8	0.37
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD22	8	0.37
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD21	8	0.37
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD22	8	0.37
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD21	8	0.37
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD22	8	0.37
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD21	8	0.37
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD22	8	0.37
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD21	8	0.37
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD22	8	0.37
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD21	8	0.37
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD22	8	0.37
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	19	0.37
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	19	0.37
(1,2943)	1:418:A:ARG:HD2	1:419:A:GLY:H	9	0.37
(1,2943)	1:418:A:ARG:HD3	1:419:A:GLY:H	9	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2943)	1:418:A:ARG:HD2	1:419:A:GLY:H	17	0.37
(1,2943)	1:418:A:ARG:HD3	1:419:A:GLY:H	17	0.37
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	6	0.37
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	6	0.37
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	6	0.37
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	6	0.37
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	6	0.37
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	6	0.37
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	6	0.37
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	6	0.37
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	6	0.37
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	6	0.37
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	6	0.37
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	6	0.37
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	6	0.37
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	6	0.37
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	6	0.37
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	6	0.37
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	6	0.37
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	6	0.37
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	10	0.37
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	10	0.37
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	10	0.37
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	10	0.37
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	10	0.37
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	10	0.37
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	10	0.37
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	10	0.37
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	10	0.37
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	10	0.37
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	10	0.37
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	10	0.37
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	10	0.37
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	10	0.37
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	10	0.37
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	10	0.37
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	10	0.37
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	10	0.37
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	20	0.37
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	20	0.37
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	20	0.37
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	20	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	20	0.37
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	20	0.37
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	3	0.37
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	3	0.37
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	3	0.37
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	3	0.37
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	3	0.37
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	3	0.37
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	7	0.37
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	7	0.37
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	7	0.37
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	7	0.37
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	7	0.37
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	7	0.37
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	9	0.37
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	9	0.37
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	9	0.37
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	9	0.37
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	9	0.37
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	9	0.37
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	18	0.37
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	18	0.37
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	18	0.37
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	18	0.37
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	18	0.37
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	18	0.37
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG11	1	0.37
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG12	1	0.37
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG13	1	0.37
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG21	1	0.37
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG22	1	0.37
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG23	1	0.37
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG11	1	0.37
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG12	1	0.37
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG13	1	0.37
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG21	1	0.37
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG22	1	0.37
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG23	1	0.37
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	6	0.37
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	6	0.37
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	6	0.37
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	6	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	6	0.37
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	6	0.37
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	18	0.37
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	18	0.37
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	18	0.37
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	18	0.37
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	18	0.37
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	18	0.37
(1,2592)	1:370:A:HIS:HB2	1:404:A:LEU:HD11	4	0.37
(1,2592)	1:370:A:HIS:HB2	1:404:A:LEU:HD12	4	0.37
(1,2592)	1:370:A:HIS:HB2	1:404:A:LEU:HD13	4	0.37
(1,2592)	1:370:A:HIS:HB2	1:404:A:LEU:HD21	4	0.37
(1,2592)	1:370:A:HIS:HB2	1:404:A:LEU:HD22	4	0.37
(1,2592)	1:370:A:HIS:HB2	1:404:A:LEU:HD23	4	0.37
(1,2592)	1:370:A:HIS:HB3	1:404:A:LEU:HD11	4	0.37
(1,2592)	1:370:A:HIS:HB3	1:404:A:LEU:HD12	4	0.37
(1,2592)	1:370:A:HIS:HB3	1:404:A:LEU:HD13	4	0.37
(1,2592)	1:370:A:HIS:HB3	1:404:A:LEU:HD21	4	0.37
(1,2592)	1:370:A:HIS:HB3	1:404:A:LEU:HD22	4	0.37
(1,2592)	1:370:A:HIS:HB3	1:404:A:LEU:HD23	4	0.37
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	17	0.37
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	17	0.37
(1,2570)	1:366:A:ASN:HB2	1:460:A:ASN:HB2	16	0.37
(1,2570)	1:366:A:ASN:HB2	1:460:A:ASN:HB3	16	0.37
(1,2570)	1:366:A:ASN:HB3	1:460:A:ASN:HB2	16	0.37
(1,2570)	1:366:A:ASN:HB3	1:460:A:ASN:HB3	16	0.37
(1,2537)	1:363:A:LYS:H	1:461:A:LEU:HD11	4	0.37
(1,2537)	1:363:A:LYS:H	1:461:A:LEU:HD12	4	0.37
(1,2537)	1:363:A:LYS:H	1:461:A:LEU:HD13	4	0.37
(1,2537)	1:363:A:LYS:H	1:461:A:LEU:HD21	4	0.37
(1,2537)	1:363:A:LYS:H	1:461:A:LEU:HD22	4	0.37
(1,2537)	1:363:A:LYS:H	1:461:A:LEU:HD23	4	0.37
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	8	0.37
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	8	0.37
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	8	0.37
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	8	0.37
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	8	0.37
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	8	0.37
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	1	0.37
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	1	0.37
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	1	0.37
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	1	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	1	0.37
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	1	0.37
(1,2510)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	8	0.37
(1,2510)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	8	0.37
(1,2510)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	8	0.37
(1,2510)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	8	0.37
(1,2510)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	8	0.37
(1,2510)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	8	0.37
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	8	0.37
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	8	0.37
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	8	0.37
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	8	0.37
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	8	0.37
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	8	0.37
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	8	0.37
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	8	0.37
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	8	0.37
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	8	0.37
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	8	0.37
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	8	0.37
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	8	0.37
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	20	0.37
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	20	0.37
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	20	0.37
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	5	0.37
(1,2340)	1:396:A:VAL:HG21	1:452:A:PHE:HA	20	0.37
(1,2340)	1:396:A:VAL:HG22	1:452:A:PHE:HA	20	0.37
(1,2340)	1:396:A:VAL:HG23	1:452:A:PHE:HA	20	0.37
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	1	0.37
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	1	0.37
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	1	0.37
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	1	0.37
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	1	0.37
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	1	0.37
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	1	0.37
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	1	0.37
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	1	0.37
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	14	0.37
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	14	0.37
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	14	0.37
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	14	0.37
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	14	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	14	0.37
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	14	0.37
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	14	0.37
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	14	0.37
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	19	0.37
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	19	0.37
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	19	0.37
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	19	0.37
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	19	0.37
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	19	0.37
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	19	0.37
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	19	0.37
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	19	0.37
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	1	0.37
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	1	0.37
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	1	0.37
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	4	0.37
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	8	0.37
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	20	0.37
(1,2233)	1:415:A:PRO:HG2	1:416:A:ASP:H	20	0.37
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	19	0.37
(1,2199)	1:405:A:GLU:HA	1:407:A:LYS:HB3	17	0.37
(1,2198)	1:405:A:GLU:HA	1:407:A:LYS:HD2	4	0.37
(1,2198)	1:405:A:GLU:HA	1:407:A:LYS:HD2	20	0.37
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	3	0.37
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	3	0.37
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	3	0.37
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	6	0.37
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	6	0.37
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	6	0.37
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	12	0.37
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	12	0.37
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	12	0.37
(1,2120)	1:467:A:PHE:HA	1:467:A:PHE:HD1	7	0.37
(1,2116)	1:442:A:ALA:HA	1:446:A:LEU:HG	3	0.37
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	6	0.37
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	6	0.37
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	6	0.37
(1,2045)	1:450:A:GLU:H	1:450:A:GLU:HG3	5	0.37
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	3	0.37
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	8	0.37
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	8	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	9	0.37
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	12	0.37
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	15	0.37
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	15	0.37
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	15	0.37
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	10	0.37
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	3	0.37
(1,1825)	1:396:A:VAL:HA	1:452:A:PHE:HZ	15	0.37
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	3	0.37
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	3	0.37
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	3	0.37
(1,1791)	1:406:A:THR:HA	1:407:A:LYS:HG2	2	0.37
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	3	0.37
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	3	0.37
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	3	0.37
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	19	0.37
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	19	0.37
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	19	0.37
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	12	0.37
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	12	0.37
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	12	0.37
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	4	0.37
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	4	0.37
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	4	0.37
(1,1753)	1:360:A:TYR:HE1	1:466:A:PRO:HB3	4	0.37
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	5	0.37
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	18	0.37
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	15	0.37
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	17	0.37
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB1	10	0.37
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB2	10	0.37
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB3	10	0.37
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	1	0.37
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	9	0.37
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	9	0.37
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	9	0.37
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	13	0.37
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	13	0.37
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	13	0.37
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	5	0.37
(1,1314)	1:436:A:LEU:HG	1:437:A:PRO:HD3	10	0.37
(1,1226)	1:371:A:LEU:HG	1:456:A:LEU:HD21	20	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:371:A:LEU:HG	1:456:A:LEU:HD22	20	0.37
(1,1226)	1:371:A:LEU:HG	1:456:A:LEU:HD23	20	0.37
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	11	0.37
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	17	0.37
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	3	0.37
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	1	0.37
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	1	0.37
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	1	0.37
(1,1155)	1:467:A:PHE:HB2	1:467:A:PHE:HE1	2	0.37
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	4	0.37
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	4	0.37
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	4	0.37
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	3	0.37
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	15	0.37
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	3	0.37
(1,1087)	1:412:A:TYR:HD1	1:413:A:LEU:H	8	0.37
(1,1076)	1:405:A:GLU:HB3	1:409:A:VAL:H	1	0.37
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	3	0.37
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	11	0.37
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	2	0.37
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	13	0.37
(1,1013)	1:354:A:MET:HG3	1:389:A:ASN:H	10	0.37
(1,1011)	1:451:A:ASN:HD21	1:453:A:CYS:H	6	0.37
(1,1011)	1:451:A:ASN:HD22	1:453:A:CYS:H	6	0.37
(1,970)	1:465:A:GLN:HE21	1:466:A:PRO:HD2	15	0.37
(1,970)	1:465:A:GLN:HE22	1:466:A:PRO:HD2	15	0.37
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD21	10	0.37
(1,969)	1:355:A:SER:HB2	1:440:A:ASN:HD22	10	0.37
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD21	10	0.37
(1,969)	1:355:A:SER:HB3	1:440:A:ASN:HD22	10	0.37
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	10	0.37
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	20	0.37
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	20	0.37
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	20	0.37
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	1	0.37
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	7	0.37
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	9	0.37
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	12	0.37
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	9	0.37
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	17	0.37
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	11	0.37
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	14	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	14	0.37
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	14	0.37
(1,776)	1:378:A:GLN:HB2	1:379:A:LEU:H	5	0.37
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	5	0.37
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	13	0.37
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	14	0.37
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD21	19	0.37
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD22	19	0.37
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD23	19	0.37
(1,580)	1:466:A:PRO:HG3	1:468:A:SER:H	12	0.37
(1,578)	1:467:A:PHE:HB3	1:468:A:SER:H	2	0.37
(1,578)	1:467:A:PHE:HB2	1:468:A:SER:H	2	0.37
(1,578)	1:467:A:PHE:HB3	1:468:A:SER:H	10	0.37
(1,578)	1:467:A:PHE:HB2	1:468:A:SER:H	10	0.37
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	17	0.37
(1,526)	1:399:A:CYS:HB2	1:400:A:VAL:H	18	0.37
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	4	0.37
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	14	0.37
(1,363)	1:435:A:GLN:H	1:435:A:GLN:HE21	3	0.37
(1,355)	1:434:A:ILE:HD11	1:435:A:GLN:H	6	0.37
(1,355)	1:434:A:ILE:HD12	1:435:A:GLN:H	6	0.37
(1,355)	1:434:A:ILE:HD13	1:435:A:GLN:H	6	0.37
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	1	0.37
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	16	0.37
(1,308)	1:400:A:VAL:HB	1:424:A:THR:H	13	0.37
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	7	0.37
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	7	0.37
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	17	0.37
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	7	0.37
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	5	0.37
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	6	0.37
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	15	0.37
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	20	0.37
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	19	0.37
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	19	0.37
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	19	0.37
(1,180)	1:399:A:CYS:HA	1:402:A:CYS:H	20	0.37
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	14	0.37
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	9	0.37
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	15	0.37
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	17	0.37
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	19	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	14	0.37
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	4	0.37
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	12	0.37
(1,55)	1:418:A:ARG:HB3	1:420:A:GLY:H	5	0.37
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	18	0.37
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	6	0.36
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	6	0.36
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	6	0.36
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	6	0.36
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	6	0.36
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	6	0.36
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	2	0.36
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	2	0.36
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG2	8	0.36
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG3	8	0.36
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	10	0.36
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	10	0.36
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	10	0.36
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	10	0.36
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	10	0.36
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	10	0.36
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	10	0.36
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	10	0.36
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	10	0.36
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	10	0.36
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	10	0.36
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	10	0.36
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	10	0.36
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	10	0.36
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	10	0.36
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	10	0.36
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	10	0.36
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	10	0.36
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG11	18	0.36
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG12	18	0.36
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG13	18	0.36
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG21	18	0.36
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG22	18	0.36
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG23	18	0.36
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG11	18	0.36
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG12	18	0.36
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG13	18	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG21	18	0.36
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG22	18	0.36
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG23	18	0.36
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD11	15	0.36
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD12	15	0.36
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD13	15	0.36
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD21	15	0.36
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD22	15	0.36
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD23	15	0.36
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	3	0.36
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	3	0.36
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	3	0.36
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	3	0.36
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	3	0.36
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	3	0.36
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	17	0.36
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	17	0.36
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	17	0.36
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	17	0.36
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	17	0.36
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	17	0.36
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	17	0.36
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	17	0.36
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	17	0.36
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	17	0.36
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	17	0.36
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	17	0.36
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	17	0.36
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	17	0.36
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	17	0.36
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	17	0.36
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	17	0.36
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	17	0.36
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	17	0.36
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	17	0.36
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	1	0.36
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	1	0.36
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	1	0.36
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	1	0.36
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	1	0.36
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	1	0.36
(1,2790)	1:396:A:VAL:HG11	1:400:A:VAL:H	14	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2790)	1:396:A:VAL:HG12	1:400:A:VAL:H	14	0.36
(1,2790)	1:396:A:VAL:HG13	1:400:A:VAL:H	14	0.36
(1,2790)	1:396:A:VAL:HG21	1:400:A:VAL:H	14	0.36
(1,2790)	1:396:A:VAL:HG22	1:400:A:VAL:H	14	0.36
(1,2790)	1:396:A:VAL:HG23	1:400:A:VAL:H	14	0.36
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	18	0.36
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	18	0.36
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	18	0.36
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	18	0.36
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	18	0.36
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	18	0.36
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	18	0.36
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	18	0.36
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	18	0.36
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	18	0.36
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	18	0.36
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	18	0.36
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	18	0.36
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	18	0.36
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	18	0.36
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	18	0.36
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	18	0.36
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	18	0.36
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD2	13	0.36
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD3	13	0.36
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD2	13	0.36
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD3	13	0.36
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD2	13	0.36
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD3	13	0.36
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD2	13	0.36
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD3	13	0.36
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD2	13	0.36
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD3	13	0.36
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD2	13	0.36
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD3	13	0.36
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	7	0.36
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	7	0.36
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	7	0.36
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	7	0.36
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	7	0.36
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	7	0.36
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	17	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	17	0.36
(1,2564)	1:366:A:ASN:H	1:460:A:ASN:HB2	16	0.36
(1,2564)	1:366:A:ASN:H	1:460:A:ASN:HB3	16	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	9	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	9	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	9	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	9	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	9	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	9	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	10	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	10	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	10	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	10	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	10	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	10	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	13	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	13	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	13	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	13	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	13	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	13	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	20	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	20	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	20	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	20	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	20	0.36
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	20	0.36
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	15	0.36
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	15	0.36
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	15	0.36
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	15	0.36
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	15	0.36
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	15	0.36
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	11	0.36
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	11	0.36
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	11	0.36
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	11	0.36
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	11	0.36
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	11	0.36
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	11	0.36
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	11	0.36
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	11	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	11	0.36
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	11	0.36
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	11	0.36
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	9	0.36
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	20	0.36
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	10	0.36
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	20	0.36
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	15	0.36
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	15	0.36
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	15	0.36
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	15	0.36
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	15	0.36
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	15	0.36
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	15	0.36
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	15	0.36
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	15	0.36
(1,2233)	1:415:A:PRO:HG2	1:416:A:ASP:H	3	0.36
(1,2233)	1:415:A:PRO:HG2	1:416:A:ASP:H	5	0.36
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	6	0.36
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	6	0.36
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	6	0.36
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	6	0.36
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	6	0.36
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	6	0.36
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	6	0.36
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	6	0.36
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	6	0.36
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	13	0.36
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	13	0.36
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	13	0.36
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	7	0.36
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	7	0.36
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	7	0.36
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	5	0.36
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	5	0.36
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	5	0.36
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	13	0.36
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	13	0.36
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	13	0.36
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	14	0.36
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	14	0.36
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	14	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	17	0.36
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	17	0.36
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	17	0.36
(1,2149)	1:439:A:VAL:HG11	1:444:A:PHE:HB2	19	0.36
(1,2149)	1:439:A:VAL:HG12	1:444:A:PHE:HB2	19	0.36
(1,2149)	1:439:A:VAL:HG13	1:444:A:PHE:HB2	19	0.36
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD21	16	0.36
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD22	16	0.36
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD23	16	0.36
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD21	12	0.36
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD22	12	0.36
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD23	12	0.36
(1,2045)	1:450:A:GLU:H	1:450:A:GLU:HG3	1	0.36
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	8	0.36
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	6	0.36
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	6	0.36
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	19	0.36
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	19	0.36
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	19	0.36
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	6	0.36
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	18	0.36
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	9	0.36
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	17	0.36
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	17	0.36
(1,1824)	1:396:A:VAL:HA	1:399:A:CYS:H	14	0.36
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	4	0.36
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	4	0.36
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	4	0.36
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	18	0.36
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	6	0.36
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	6	0.36
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	6	0.36
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	8	0.36
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	15	0.36
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	19	0.36
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	2	0.36
(1,1581)	1:380:A:PRO:HG3	1:382:A:HIS:H	18	0.36
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	6	0.36
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	6	0.36
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	6	0.36
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	8	0.36
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	11	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1407)	1:426:A:SER:HA	1:430:A:GLU:H	20	0.36
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	8	0.36
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	8	0.36
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	8	0.36
(1,1324)	1:465:A:GLN:HG2	1:466:A:PRO:HD3	13	0.36
(1,1324)	1:465:A:GLN:HG3	1:466:A:PRO:HD3	13	0.36
(1,1324)	1:465:A:GLN:HG2	1:466:A:PRO:HD2	13	0.36
(1,1324)	1:465:A:GLN:HG3	1:466:A:PRO:HD2	13	0.36
(1,1244)	1:389:A:ASN:HA	1:421:A:GLU:HG2	8	0.36
(1,1184)	1:367:A:PHE:HB3	1:377:A:GLN:HG2	11	0.36
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	20	0.36
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	20	0.36
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	20	0.36
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	20	0.36
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	9	0.36
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	10	0.36
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	14	0.36
(1,1143)	1:416:A:ASP:H	1:435:A:GLN:HE21	5	0.36
(1,1140)	1:466:A:PRO:HG2	1:468:A:SER:H	14	0.36
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	7	0.36
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	11	0.36
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	4	0.36
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	18	0.36
(1,1098)	1:421:A:GLU:HB2	1:436:A:LEU:H	6	0.36
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	1	0.36
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	5	0.36
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	5	0.36
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	3	0.36
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	10	0.36
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	2	0.36
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	20	0.36
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	16	0.36
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	18	0.36
(1,838)	1:355:A:SER:HB2	1:441:A:SER:H	13	0.36
(1,838)	1:355:A:SER:HB3	1:441:A:SER:H	13	0.36
(1,835)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	12	0.36
(1,835)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	12	0.36
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	1	0.36
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	1	0.36
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	1	0.36
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	2	0.36
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	2	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	2	0.36
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	12	0.36
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	12	0.36
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	12	0.36
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	15	0.36
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	15	0.36
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	15	0.36
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	2	0.36
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	4	0.36
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	4	0.36
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	4	0.36
(1,672)	1:415:A:PRO:HB2	1:416:A:ASP:H	3	0.36
(1,672)	1:415:A:PRO:HB3	1:416:A:ASP:H	3	0.36
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	6	0.36
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	14	0.36
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	16	0.36
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	5	0.36
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	16	0.36
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB2	18	0.36
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB3	18	0.36
(1,591)	1:376:A:ILE:H	1:378:A:GLN:HG3	10	0.36
(1,575)	1:445:A:ALA:HA	1:447:A:ARG:H	8	0.36
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	19	0.36
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	12	0.36
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	12	0.36
(1,479)	1:361:A:VAL:H	1:381:A:ASP:HA	1	0.36
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	10	0.36
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	2	0.36
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	3	0.36
(1,273)	1:389:A:ASN:HB2	1:421:A:GLU:H	9	0.36
(1,273)	1:389:A:ASN:HB3	1:421:A:GLU:H	9	0.36
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	9	0.36
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	18	0.36
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	11	0.36
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	5	0.36
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	5	0.36
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	5	0.36
(1,176)	1:365:A:GLY:H	1:366:A:ASN:H	3	0.36
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	14	0.36
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	14	0.36
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	14	0.36
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	13	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	20	0.36
(1,55)	1:418:A:ARG:HB3	1:420:A:GLY:H	18	0.36
(1,44)	1:417:A:ASN:H	1:419:A:GLY:H	4	0.36
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	13	0.36
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	2	0.36
(1,3138)	1:459:A:ASP:HB2	1:460:A:ASN:HD21	13	0.35
(1,3138)	1:459:A:ASP:HB2	1:460:A:ASN:HD22	13	0.35
(1,3138)	1:459:A:ASP:HB3	1:460:A:ASN:HD21	13	0.35
(1,3138)	1:459:A:ASP:HB3	1:460:A:ASN:HD22	13	0.35
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	13	0.35
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	13	0.35
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	13	0.35
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	13	0.35
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	13	0.35
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	13	0.35
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	16	0.35
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	16	0.35
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	19	0.35
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	19	0.35
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG2	9	0.35
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG3	9	0.35
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	3	0.35
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	3	0.35
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	15	0.35
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	15	0.35
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	15	0.35
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	15	0.35
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	15	0.35
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	15	0.35
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	15	0.35
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	15	0.35
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	15	0.35
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	15	0.35
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	15	0.35
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	15	0.35
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	15	0.35
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	15	0.35
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	15	0.35
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	15	0.35
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	15	0.35
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	15	0.35
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	11	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	11	0.35
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	11	0.35
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	11	0.35
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	11	0.35
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	11	0.35
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	11	0.35
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	11	0.35
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	11	0.35
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	11	0.35
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	11	0.35
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	11	0.35
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	11	0.35
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	11	0.35
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	11	0.35
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	11	0.35
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	11	0.35
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	11	0.35
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	20	0.35
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	20	0.35
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	20	0.35
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	20	0.35
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	20	0.35
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	20	0.35
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	20	0.35
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	20	0.35
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	20	0.35
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	20	0.35
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	20	0.35
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	20	0.35
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	20	0.35
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	20	0.35
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	20	0.35
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	20	0.35
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	20	0.35
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	20	0.35
(1,2847)	1:400:A:VAL:HG11	1:424:A:THR:HA	12	0.35
(1,2847)	1:400:A:VAL:HG12	1:424:A:THR:HA	12	0.35
(1,2847)	1:400:A:VAL:HG13	1:424:A:THR:HA	12	0.35
(1,2847)	1:400:A:VAL:HG21	1:424:A:THR:HA	12	0.35
(1,2847)	1:400:A:VAL:HG22	1:424:A:THR:HA	12	0.35
(1,2847)	1:400:A:VAL:HG23	1:424:A:THR:HA	12	0.35
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	1	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	1	0.35
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	1	0.35
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	1	0.35
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	1	0.35
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	1	0.35
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	14	0.35
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	14	0.35
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	14	0.35
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	14	0.35
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	14	0.35
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	14	0.35
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG11	14	0.35
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG12	14	0.35
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG13	14	0.35
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG21	14	0.35
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG22	14	0.35
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG23	14	0.35
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	14	0.35
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	14	0.35
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	14	0.35
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	14	0.35
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	14	0.35
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	14	0.35
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	14	0.35
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	14	0.35
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	14	0.35
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	14	0.35
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	14	0.35
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	14	0.35
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	14	0.35
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	14	0.35
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	14	0.35
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	14	0.35
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	14	0.35
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	14	0.35
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD2	4	0.35
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD3	4	0.35
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD2	4	0.35
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD3	4	0.35
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD2	4	0.35
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD3	4	0.35
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD2	4	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD3	4	0.35
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD2	4	0.35
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD3	4	0.35
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD2	4	0.35
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD3	4	0.35
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD2	5	0.35
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD3	5	0.35
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD2	5	0.35
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD3	5	0.35
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD2	5	0.35
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD3	5	0.35
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD2	5	0.35
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD3	5	0.35
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD2	5	0.35
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD3	5	0.35
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD2	5	0.35
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD3	5	0.35
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	12	0.35
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	12	0.35
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	12	0.35
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	12	0.35
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	12	0.35
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	12	0.35
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	10	0.35
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	10	0.35
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	10	0.35
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	10	0.35
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	10	0.35
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	10	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	4	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	4	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	4	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	4	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	4	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	4	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	7	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	7	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	7	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	7	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	7	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	7	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	11	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	11	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	11	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	11	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	11	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	11	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	12	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	12	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	12	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	12	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	12	0.35
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	12	0.35
(1,2622)	1:372:A:ASP:HB2	1:375:A:ARG:HA	15	0.35
(1,2622)	1:372:A:ASP:HB3	1:375:A:ARG:HA	15	0.35
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	6	0.35
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	6	0.35
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	6	0.35
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	6	0.35
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	6	0.35
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	6	0.35
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	6	0.35
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	6	0.35
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	14	0.35
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	14	0.35
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	14	0.35
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	14	0.35
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	14	0.35
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	14	0.35
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	20	0.35
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	20	0.35
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	20	0.35
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	20	0.35
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	20	0.35
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	20	0.35
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	3	0.35
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	3	0.35
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	3	0.35
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	3	0.35
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	3	0.35
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	3	0.35
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	1	0.35
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	1	0.35
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	1	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	1	0.35
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	1	0.35
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	1	0.35
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	3	0.35
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	3	0.35
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	3	0.35
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	3	0.35
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	3	0.35
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	3	0.35
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	3	0.35
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	3	0.35
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	3	0.35
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	3	0.35
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	3	0.35
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	3	0.35
(1,2504)	1:361:A:VAL:HG11	1:363:A:LYS:HB3	4	0.35
(1,2504)	1:361:A:VAL:HG12	1:363:A:LYS:HB3	4	0.35
(1,2504)	1:361:A:VAL:HG13	1:363:A:LYS:HB3	4	0.35
(1,2504)	1:361:A:VAL:HG21	1:363:A:LYS:HB3	4	0.35
(1,2504)	1:361:A:VAL:HG22	1:363:A:LYS:HB3	4	0.35
(1,2504)	1:361:A:VAL:HG23	1:363:A:LYS:HB3	4	0.35
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB2	14	0.35
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB3	14	0.35
(1,2361)	1:376:A:ILE:HA	1:378:A:GLN:HB2	9	0.35
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	14	0.35
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	15	0.35
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	7	0.35
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	15	0.35
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	9	0.35
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	9	0.35
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	9	0.35
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	9	0.35
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	9	0.35
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	9	0.35
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	9	0.35
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	9	0.35
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	9	0.35
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	9	0.35
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB1	14	0.35
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB2	14	0.35
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB3	14	0.35
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	7	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	7	0.35
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	7	0.35
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	7	0.35
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	7	0.35
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	7	0.35
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	7	0.35
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	7	0.35
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	7	0.35
(1,2233)	1:415:A:PRO:HG2	1:416:A:ASP:H	16	0.35
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	12	0.35
(1,2213)	1:451:A:ASN:HA	1:453:A:CYS:H	13	0.35
(1,2213)	1:451:A:ASN:HA	1:453:A:CYS:H	18	0.35
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	11	0.35
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	11	0.35
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	11	0.35
(1,2149)	1:439:A:VAL:HG11	1:444:A:PHE:HB2	12	0.35
(1,2149)	1:439:A:VAL:HG12	1:444:A:PHE:HB2	12	0.35
(1,2149)	1:439:A:VAL:HG13	1:444:A:PHE:HB2	12	0.35
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	4	0.35
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD11	6	0.35
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD12	6	0.35
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD13	6	0.35
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	7	0.35
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG2	3	0.35
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG3	3	0.35
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	6	0.35
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	6	0.35
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	4	0.35
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	9	0.35
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	9	0.35
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	9	0.35
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	16	0.35
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	16	0.35
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	16	0.35
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	7	0.35
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	8	0.35
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	8	0.35
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	8	0.35
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	18	0.35
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	18	0.35
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	18	0.35
(1,1824)	1:396:A:VAL:HA	1:399:A:CYS:H	8	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1807)	1:400:A:VAL:HG21	1:409:A:VAL:HB	9	0.35
(1,1807)	1:400:A:VAL:HG22	1:409:A:VAL:HB	9	0.35
(1,1807)	1:400:A:VAL:HG23	1:409:A:VAL:HB	9	0.35
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG11	6	0.35
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG12	6	0.35
(1,1790)	1:406:A:THR:HB	1:409:A:VAL:HG13	6	0.35
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	20	0.35
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB1	12	0.35
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB2	12	0.35
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB3	12	0.35
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB1	9	0.35
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB2	9	0.35
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB3	9	0.35
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	15	0.35
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	15	0.35
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	2	0.35
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	9	0.35
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	8	0.35
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	16	0.35
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	16	0.35
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	16	0.35
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	19	0.35
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	19	0.35
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	19	0.35
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	6	0.35
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	14	0.35
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	14	0.35
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	14	0.35
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	5	0.35
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	5	0.35
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	5	0.35
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	11	0.35
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	11	0.35
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	11	0.35
(1,1314)	1:436:A:LEU:HG	1:437:A:PRO:HD3	12	0.35
(1,1294)	1:439:A:VAL:HG21	1:444:A:PHE:HD1	11	0.35
(1,1294)	1:439:A:VAL:HG22	1:444:A:PHE:HD1	11	0.35
(1,1294)	1:439:A:VAL:HG23	1:444:A:PHE:HD1	11	0.35
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	7	0.35
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	18	0.35
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	11	0.35
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	4	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	4	0.35
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	4	0.35
(1,1140)	1:466:A:PRO:HG2	1:468:A:SER:H	6	0.35
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	16	0.35
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	20	0.35
(1,1095)	1:421:A:GLU:H	1:437:A:PRO:HD2	13	0.35
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	15	0.35
(1,1087)	1:412:A:TYR:HD1	1:413:A:LEU:H	19	0.35
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	19	0.35
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	2	0.35
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	9	0.35
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	1	0.35
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	9	0.35
(1,1033)	1:367:A:PHE:H	1:369:A:PRO:HB3	5	0.35
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	9	0.35
(1,1011)	1:451:A:ASN:HD21	1:453:A:CYS:H	15	0.35
(1,1011)	1:451:A:ASN:HD22	1:453:A:CYS:H	15	0.35
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	7	0.35
(1,946)	1:387:A:PRO:HG2	1:391:A:VAL:H	20	0.35
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	1	0.35
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	18	0.35
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	11	0.35
(1,810)	1:380:A:PRO:HG2	1:382:A:HIS:H	15	0.35
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	12	0.35
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	13	0.35
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	13	0.35
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	13	0.35
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	17	0.35
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	17	0.35
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	17	0.35
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	18	0.35
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	18	0.35
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	18	0.35
(1,766)	1:413:A:LEU:H	1:414:A:LYS:HA	20	0.35
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	7	0.35
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	6	0.35
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	19	0.35
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	17	0.35
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	6	0.35
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	6	0.35
(1,478)	1:359:A:VAL:HA	1:361:A:VAL:H	6	0.35
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	1	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	1	0.35
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	1	0.35
(1,423)	1:434:A:ILE:HD11	1:436:A:LEU:H	12	0.35
(1,423)	1:434:A:ILE:HD12	1:436:A:LEU:H	12	0.35
(1,423)	1:434:A:ILE:HD13	1:436:A:LEU:H	12	0.35
(1,414)	1:398:A:ALA:HA	1:401:A:ASP:H	20	0.35
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	13	0.35
(1,371)	1:463:A:SER:HB2	1:464:A:SER:H	3	0.35
(1,371)	1:463:A:SER:HB2	1:464:A:SER:H	7	0.35
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	8	0.35
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	13	0.35
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	14	0.35
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	1	0.35
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	8	0.35
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	16	0.35
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	15	0.35
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	3	0.35
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	6	0.35
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	5	0.35
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD11	2	0.34
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD12	2	0.34
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD13	2	0.34
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD21	2	0.34
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD22	2	0.34
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD23	2	0.34
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD11	2	0.34
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD12	2	0.34
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD13	2	0.34
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD21	2	0.34
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD22	2	0.34
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD23	2	0.34
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	10	0.34
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	10	0.34
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG2	19	0.34
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG3	19	0.34
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD11	10	0.34
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD12	10	0.34
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD13	10	0.34
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD21	10	0.34
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD22	10	0.34
(1,3011)	1:434:A:ILE:HA	1:436:A:LEU:HD23	10	0.34
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	3	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	3	0.34
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	10	0.34
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	10	0.34
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE21	9	0.34
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE21	9	0.34
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE21	9	0.34
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE21	9	0.34
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE21	9	0.34
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE21	9	0.34
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE22	9	0.34
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE22	9	0.34
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE22	9	0.34
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE22	9	0.34
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE22	9	0.34
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE22	9	0.34
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	12	0.34
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	12	0.34
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	12	0.34
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	12	0.34
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	9	0.34
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	9	0.34
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	9	0.34
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	9	0.34
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	9	0.34
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	9	0.34
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	9	0.34
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	9	0.34
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	9	0.34
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	9	0.34
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	9	0.34
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	9	0.34
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	9	0.34
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	9	0.34
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	9	0.34
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	9	0.34
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	9	0.34
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	9	0.34
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	13	0.34
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	13	0.34
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	13	0.34
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	13	0.34
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	13	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	13	0.34
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	13	0.34
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	13	0.34
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	13	0.34
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	13	0.34
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	13	0.34
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	13	0.34
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	13	0.34
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	13	0.34
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	13	0.34
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	13	0.34
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	13	0.34
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	13	0.34
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD11	14	0.34
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD12	14	0.34
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD13	14	0.34
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD21	14	0.34
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD22	14	0.34
(1,2862)	1:403:A:ALA:HA	1:456:A:LEU:HD23	14	0.34
(1,2850)	1:400:A:VAL:HG11	1:426:A:SER:H	6	0.34
(1,2850)	1:400:A:VAL:HG12	1:426:A:SER:H	6	0.34
(1,2850)	1:400:A:VAL:HG13	1:426:A:SER:H	6	0.34
(1,2850)	1:400:A:VAL:HG21	1:426:A:SER:H	6	0.34
(1,2850)	1:400:A:VAL:HG22	1:426:A:SER:H	6	0.34
(1,2850)	1:400:A:VAL:HG23	1:426:A:SER:H	6	0.34
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	17	0.34
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	17	0.34
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	17	0.34
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	17	0.34
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	17	0.34
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	17	0.34
(1,2818)	1:399:A:CYS:HA	1:402:A:CYS:HB2	17	0.34
(1,2818)	1:399:A:CYS:HA	1:402:A:CYS:HB3	17	0.34
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	15	0.34
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	15	0.34
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	15	0.34
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	15	0.34
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	15	0.34
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	15	0.34
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD2	1	0.34
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD3	1	0.34
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD2	1	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD3	1	0.34
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD2	1	0.34
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD3	1	0.34
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD2	1	0.34
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD3	1	0.34
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD2	1	0.34
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD3	1	0.34
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD2	1	0.34
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD3	1	0.34
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD2	11	0.34
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD3	11	0.34
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD2	11	0.34
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD3	11	0.34
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD2	11	0.34
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD3	11	0.34
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD2	11	0.34
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD3	11	0.34
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD2	11	0.34
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD3	11	0.34
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD2	11	0.34
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD3	11	0.34
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	10	0.34
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	10	0.34
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	10	0.34
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	10	0.34
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	10	0.34
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	10	0.34
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	14	0.34
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	14	0.34
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	14	0.34
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	14	0.34
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	14	0.34
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	14	0.34
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	15	0.34
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	15	0.34
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	15	0.34
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	15	0.34
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	15	0.34
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	15	0.34
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	13	0.34
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	13	0.34
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	13	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	13	0.34
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	13	0.34
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	13	0.34
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	10	0.34
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	10	0.34
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	10	0.34
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	10	0.34
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	10	0.34
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	10	0.34
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	1	0.34
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	1	0.34
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	1	0.34
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	1	0.34
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	1	0.34
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	1	0.34
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	9	0.34
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	9	0.34
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD11	17	0.34
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD12	17	0.34
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD13	17	0.34
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD21	17	0.34
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD22	17	0.34
(1,2557)	1:365:A:GLY:H	1:461:A:LEU:HD23	17	0.34
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	12	0.34
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	12	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	7	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	7	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	7	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	7	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	7	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	7	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	16	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	16	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	16	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	16	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	16	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	16	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	19	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	19	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	19	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	19	0.34
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	19	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	19	0.34
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	2	0.34
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	2	0.34
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	2	0.34
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	2	0.34
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	2	0.34
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	2	0.34
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	17	0.34
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	17	0.34
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	17	0.34
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	17	0.34
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	17	0.34
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	17	0.34
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	5	0.34
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	5	0.34
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	5	0.34
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	5	0.34
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	5	0.34
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	5	0.34
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB2	7	0.34
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB3	7	0.34
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	17	0.34
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	17	0.34
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	17	0.34
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	17	0.34
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	17	0.34
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	17	0.34
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	14	0.34
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	15	0.34
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	17	0.34
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	17	0.34
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	17	0.34
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	1	0.34
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	12	0.34
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	14	0.34
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	18	0.34
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	3	0.34
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	3	0.34
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	3	0.34
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	3	0.34
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	3	0.34
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	3	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	3	0.34
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	3	0.34
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	3	0.34
(1,2233)	1:415:A:PRO:HG2	1:416:A:ASP:H	11	0.34
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	3	0.34
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	3	0.34
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	3	0.34
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	2	0.34
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	2	0.34
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	2	0.34
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	8	0.34
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	8	0.34
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	8	0.34
(1,2139)	1:372:A:ASP:H	1:375:A:ARG:HD2	17	0.34
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD21	3	0.34
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD22	3	0.34
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD23	3	0.34
(1,2045)	1:450:A:GLU:H	1:450:A:GLU:HG3	13	0.34
(1,2026)	1:397:A:GLN:HA	1:423:A:ILE:HG13	17	0.34
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD11	2	0.34
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD12	2	0.34
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD13	2	0.34
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD11	11	0.34
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD12	11	0.34
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD13	11	0.34
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	16	0.34
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	8	0.34
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	8	0.34
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	8	0.34
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	17	0.34
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	2	0.34
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	2	0.34
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	4	0.34
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	4	0.34
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	6	0.34
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	6	0.34
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	20	0.34
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	20	0.34
(1,1876)	1:447:A:ARG:HG2	1:448:A:PHE:HA	20	0.34
(1,1876)	1:447:A:ARG:HG3	1:448:A:PHE:HA	20	0.34
(1,1873)	1:448:A:PHE:HA	1:451:A:ASN:H	20	0.34
(1,1857)	1:409:A:VAL:HG21	1:412:A:TYR:H	14	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1857)	1:409:A:VAL:HG22	1:412:A:TYR:H	14	0.34
(1,1857)	1:409:A:VAL:HG23	1:412:A:TYR:H	14	0.34
(1,1853)	1:408:A:THR:HG21	1:409:A:VAL:HA	4	0.34
(1,1853)	1:408:A:THR:HG22	1:409:A:VAL:HA	4	0.34
(1,1853)	1:408:A:THR:HG23	1:409:A:VAL:HA	4	0.34
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	1	0.34
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	1	0.34
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	1	0.34
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	2	0.34
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	11	0.34
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	19	0.34
(1,1807)	1:400:A:VAL:HG21	1:409:A:VAL:HB	10	0.34
(1,1807)	1:400:A:VAL:HG22	1:409:A:VAL:HB	10	0.34
(1,1807)	1:400:A:VAL:HG23	1:409:A:VAL:HB	10	0.34
(1,1807)	1:400:A:VAL:HG21	1:409:A:VAL:HB	17	0.34
(1,1807)	1:400:A:VAL:HG22	1:409:A:VAL:HB	17	0.34
(1,1807)	1:400:A:VAL:HG23	1:409:A:VAL:HB	17	0.34
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	6	0.34
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	6	0.34
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	6	0.34
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB1	8	0.34
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB2	8	0.34
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB3	8	0.34
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB1	16	0.34
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB2	16	0.34
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB3	16	0.34
(1,1745)	1:390:A:VAL:HB	1:391:A:VAL:HA	6	0.34
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	15	0.34
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	2	0.34
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	5	0.34
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	5	0.34
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	7	0.34
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	18	0.34
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	19	0.34
(1,1571)	1:380:A:PRO:HA	1:381:A:ASP:HB2	5	0.34
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	16	0.34
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	16	0.34
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	19	0.34
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	13	0.34
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	13	0.34
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	13	0.34
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	18	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	6	0.34
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	6	0.34
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	6	0.34
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	1	0.34
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	1	0.34
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	1	0.34
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	20	0.34
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	20	0.34
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	20	0.34
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	11	0.34
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	11	0.34
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	11	0.34
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG21	7	0.34
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG22	7	0.34
(1,1333)	1:422:A:VAL:HA	1:434:A:ILE:HG23	7	0.34
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB2	19	0.34
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB3	19	0.34
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	9	0.34
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	14	0.34
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	18	0.34
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	13	0.34
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	3	0.34
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	3	0.34
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	3	0.34
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	11	0.34
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	11	0.34
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	11	0.34
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	15	0.34
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	15	0.34
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	15	0.34
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	15	0.34
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	12	0.34
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	19	0.34
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	1	0.34
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	6	0.34
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	9	0.34
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	13	0.34
(1,1096)	1:418:A:ARG:H	1:420:A:GLY:H	8	0.34
(1,1091)	1:416:A:ASP:HB2	1:418:A:ARG:H	16	0.34
(1,1091)	1:416:A:ASP:HB2	1:418:A:ARG:H	17	0.34
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	17	0.34
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	13	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	12	0.34
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	11	0.34
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	11	0.34
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	5	0.34
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	17	0.34
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD21	1	0.34
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD22	1	0.34
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	9	0.34
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	3	0.34
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD2	14	0.34
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD3	14	0.34
(1,909)	1:406:A:THR:HB	1:426:A:SER:H	6	0.34
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	9	0.34
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	1	0.34
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	20	0.34
(1,855)	1:387:A:PRO:HD2	1:390:A:VAL:H	1	0.34
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	1	0.34
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	7	0.34
(1,765)	1:411:A:GLY:HA2	1:413:A:LEU:H	7	0.34
(1,756)	1:400:A:VAL:HA	1:403:A:ALA:H	12	0.34
(1,756)	1:400:A:VAL:HA	1:403:A:ALA:H	20	0.34
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	3	0.34
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	3	0.34
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	3	0.34
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	9	0.34
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	9	0.34
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	9	0.34
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	15	0.34
(1,672)	1:415:A:PRO:HB2	1:416:A:ASP:H	5	0.34
(1,672)	1:415:A:PRO:HB3	1:416:A:ASP:H	5	0.34
(1,649)	1:406:A:THR:H	1:407:A:LYS:HD2	1	0.34
(1,647)	1:406:A:THR:HG21	1:425:A:ALA:H	1	0.34
(1,647)	1:406:A:THR:HG22	1:425:A:ALA:H	1	0.34
(1,647)	1:406:A:THR:HG23	1:425:A:ALA:H	1	0.34
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	20	0.34
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	5	0.34
(1,580)	1:466:A:PRO:HG3	1:468:A:SER:H	18	0.34
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	17	0.34
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	17	0.34
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	15	0.34
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	15	0.34
(1,507)	1:418:A:ARG:H	1:437:A:PRO:HA	4	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	16	0.34
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	5	0.34
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	3	0.34
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	13	0.34
(1,371)	1:463:A:SER:HB2	1:464:A:SER:H	1	0.34
(1,366)	1:466:A:PRO:HB2	1:467:A:PHE:H	2	0.34
(1,350)	1:449:A:LEU:H	1:449:A:LEU:HG	7	0.34
(1,345)	1:393:A:ARG:HG3	1:422:A:VAL:H	8	0.34
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	15	0.34
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	5	0.34
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE21	11	0.34
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE22	11	0.34
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	5	0.34
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	14	0.34
(1,151)	1:380:A:PRO:HG2	1:381:A:ASP:H	9	0.34
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	14	0.34
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	8	0.34
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	8	0.34
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	8	0.34
(1,41)	1:419:A:GLY:H	1:437:A:PRO:HA	18	0.34
(1,34)	1:427:A:PHE:HA	1:429:A:GLY:H	19	0.34
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	19	0.34
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	8	0.33
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	8	0.33
(1,3165)	1:463:A:SER:HB2	1:465:A:GLN:HB2	11	0.33
(1,3165)	1:463:A:SER:HB2	1:465:A:GLN:HB3	11	0.33
(1,3165)	1:463:A:SER:HB3	1:465:A:GLN:HB2	11	0.33
(1,3165)	1:463:A:SER:HB3	1:465:A:GLN:HB3	11	0.33
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	6	0.33
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	6	0.33
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG2	1	0.33
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG3	1	0.33
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD21	19	0.33
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD22	19	0.33
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD21	19	0.33
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD22	19	0.33
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD21	19	0.33
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD22	19	0.33
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD21	19	0.33
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD22	19	0.33
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD21	19	0.33
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD22	19	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD21	19	0.33
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD22	19	0.33
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	11	0.33
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	11	0.33
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	13	0.33
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	13	0.33
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE21	14	0.33
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE21	14	0.33
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE21	14	0.33
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE21	14	0.33
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE21	14	0.33
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE21	14	0.33
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE22	14	0.33
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE22	14	0.33
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE22	14	0.33
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE22	14	0.33
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE22	14	0.33
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE22	14	0.33
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	5	0.33
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	5	0.33
(1,2943)	1:418:A:ARG:HD2	1:419:A:GLY:H	4	0.33
(1,2943)	1:418:A:ARG:HD3	1:419:A:GLY:H	4	0.33
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	9	0.33
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	9	0.33
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	10	0.33
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	10	0.33
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	10	0.33
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	10	0.33
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	10	0.33
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	10	0.33
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	10	0.33
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	10	0.33
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	10	0.33
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	10	0.33
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	10	0.33
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	10	0.33
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	10	0.33
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	10	0.33
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	10	0.33
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	10	0.33
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	10	0.33
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	10	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	12	0.33
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	12	0.33
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	12	0.33
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	12	0.33
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	12	0.33
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	12	0.33
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	12	0.33
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	12	0.33
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	12	0.33
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	12	0.33
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	12	0.33
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	12	0.33
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	12	0.33
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	12	0.33
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	12	0.33
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	12	0.33
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	12	0.33
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	12	0.33
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	7	0.33
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	7	0.33
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	7	0.33
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	7	0.33
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	7	0.33
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	7	0.33
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	11	0.33
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	11	0.33
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	11	0.33
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	11	0.33
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	11	0.33
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	11	0.33
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	18	0.33
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	18	0.33
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	18	0.33
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	18	0.33
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	18	0.33
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	18	0.33
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD2	10	0.33
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD3	10	0.33
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD2	10	0.33
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD3	10	0.33
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD2	10	0.33
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD3	10	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD2	10	0.33
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD3	10	0.33
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD2	10	0.33
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD3	10	0.33
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD2	10	0.33
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD3	10	0.33
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	6	0.33
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	6	0.33
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	6	0.33
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	6	0.33
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	6	0.33
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	6	0.33
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD2	19	0.33
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD3	19	0.33
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	15	0.33
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	15	0.33
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	15	0.33
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	15	0.33
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	15	0.33
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	15	0.33
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	8	0.33
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	8	0.33
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	8	0.33
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	8	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	5	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	5	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	5	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	5	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	5	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	5	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	12	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	12	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	12	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	12	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	12	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	12	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	18	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	18	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	18	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	18	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	18	0.33
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	18	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	20	0.33
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	20	0.33
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	20	0.33
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	20	0.33
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	20	0.33
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	20	0.33
(1,2464)	1:359:A:VAL:HG11	1:383:A:PHE:HA	2	0.33
(1,2464)	1:359:A:VAL:HG12	1:383:A:PHE:HA	2	0.33
(1,2464)	1:359:A:VAL:HG13	1:383:A:PHE:HA	2	0.33
(1,2464)	1:359:A:VAL:HG21	1:383:A:PHE:HA	2	0.33
(1,2464)	1:359:A:VAL:HG22	1:383:A:PHE:HA	2	0.33
(1,2464)	1:359:A:VAL:HG23	1:383:A:PHE:HA	2	0.33
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	16	0.33
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	16	0.33
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	16	0.33
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	16	0.33
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	16	0.33
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	16	0.33
(1,2385)	1:376:A:ILE:HG21	1:379:A:LEU:HD21	19	0.33
(1,2385)	1:376:A:ILE:HG21	1:379:A:LEU:HD22	19	0.33
(1,2385)	1:376:A:ILE:HG21	1:379:A:LEU:HD23	19	0.33
(1,2385)	1:376:A:ILE:HG22	1:379:A:LEU:HD21	19	0.33
(1,2385)	1:376:A:ILE:HG22	1:379:A:LEU:HD22	19	0.33
(1,2385)	1:376:A:ILE:HG22	1:379:A:LEU:HD23	19	0.33
(1,2385)	1:376:A:ILE:HG23	1:379:A:LEU:HD21	19	0.33
(1,2385)	1:376:A:ILE:HG23	1:379:A:LEU:HD22	19	0.33
(1,2385)	1:376:A:ILE:HG23	1:379:A:LEU:HD23	19	0.33
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	8	0.33
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	8	0.33
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	8	0.33
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	11	0.33
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	3	0.33
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	9	0.33
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	12	0.33
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	12	0.33
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	12	0.33
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	11	0.33
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	15	0.33
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	15	0.33
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	2	0.33
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	1	0.33
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	1	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	1	0.33
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	1	0.33
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	1	0.33
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	1	0.33
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	10	0.33
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	10	0.33
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	10	0.33
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	10	0.33
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	10	0.33
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	10	0.33
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	14	0.33
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	14	0.33
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	14	0.33
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	2	0.33
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	2	0.33
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	2	0.33
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	3	0.33
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	3	0.33
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	3	0.33
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	4	0.33
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	4	0.33
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	4	0.33
(1,2086)	1:412:A:TYR:HA	1:413:A:LEU:HG	8	0.33
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	16	0.33
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD21	1	0.33
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD22	1	0.33
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD23	1	0.33
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	9	0.33
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD11	12	0.33
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD12	12	0.33
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD13	12	0.33
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB1	17	0.33
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB2	17	0.33
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB3	17	0.33
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	5	0.33
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	5	0.33
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	5	0.33
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD11	10	0.33
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD12	10	0.33
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD13	10	0.33
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	12	0.33
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	18	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	18	0.33
(1,1876)	1:447:A:ARG:HG2	1:448:A:PHE:HA	7	0.33
(1,1876)	1:447:A:ARG:HG3	1:448:A:PHE:HA	7	0.33
(1,1876)	1:447:A:ARG:HG2	1:448:A:PHE:HA	10	0.33
(1,1876)	1:447:A:ARG:HG3	1:448:A:PHE:HA	10	0.33
(1,1857)	1:409:A:VAL:HG21	1:412:A:TYR:H	9	0.33
(1,1857)	1:409:A:VAL:HG22	1:412:A:TYR:H	9	0.33
(1,1857)	1:409:A:VAL:HG23	1:412:A:TYR:H	9	0.33
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	10	0.33
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	10	0.33
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	10	0.33
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	7	0.33
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	7	0.33
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	7	0.33
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	4	0.33
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	8	0.33
(1,1682)	1:407:A:LYS:HD2	1:427:A:PHE:HD1	2	0.33
(1,1682)	1:407:A:LYS:HD3	1:427:A:PHE:HD1	2	0.33
(1,1651)	1:382:A:HIS:H	1:383:A:PHE:HB2	3	0.33
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	12	0.33
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	12	0.33
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	12	0.33
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	12	0.33
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	12	0.33
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	12	0.33
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	12	0.33
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	12	0.33
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	12	0.33
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	16	0.33
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	16	0.33
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	16	0.33
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	16	0.33
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	16	0.33
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	16	0.33
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	16	0.33
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	16	0.33
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	16	0.33
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	14	0.33
(1,1464)	1:434:A:ILE:HG12	1:435:A:GLN:H	6	0.33
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	2	0.33
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	2	0.33
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	2	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1415)	1:406:A:THR:HG21	1:427:A:PHE:HB3	16	0.33
(1,1415)	1:406:A:THR:HG22	1:427:A:PHE:HB3	16	0.33
(1,1415)	1:406:A:THR:HG23	1:427:A:PHE:HB3	16	0.33
(1,1414)	1:406:A:THR:HB	1:427:A:PHE:HA	14	0.33
(1,1384)	1:424:A:THR:HA	1:434:A:ILE:H	18	0.33
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	7	0.33
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	9	0.33
(1,1244)	1:389:A:ASN:HA	1:421:A:GLU:HG2	19	0.33
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	1	0.33
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	6	0.33
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	12	0.33
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	11	0.33
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	16	0.33
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	16	0.33
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	16	0.33
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	19	0.33
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	19	0.33
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	19	0.33
(1,1155)	1:467:A:PHE:HB2	1:467:A:PHE:HE1	1	0.33
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	1	0.33
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	16	0.33
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	9	0.33
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	15	0.33
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB1	10	0.33
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB2	10	0.33
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB3	10	0.33
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD21	19	0.33
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD22	19	0.33
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	11	0.33
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	19	0.33
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	4	0.33
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	6	0.33
(1,1030)	1:366:A:ASN:HD21	1:369:A:PRO:HA	2	0.33
(1,1030)	1:366:A:ASN:HD22	1:369:A:PRO:HA	2	0.33
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD21	11	0.33
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD22	11	0.33
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	4	0.33
(1,1013)	1:354:A:MET:HG3	1:389:A:ASN:H	16	0.33
(1,923)	1:408:A:THR:H	1:409:A:VAL:HB	9	0.33
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD2	1	0.33
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD3	1	0.33
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD2	15	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD3	15	0.33
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	20	0.33
(1,909)	1:406:A:THR:HB	1:426:A:SER:H	15	0.33
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	8	0.33
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	8	0.33
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	8	0.33
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	17	0.33
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	17	0.33
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	17	0.33
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	7	0.33
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	7	0.33
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	7	0.33
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	4	0.33
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	4	0.33
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	4	0.33
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	7	0.33
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	7	0.33
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	7	0.33
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	11	0.33
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	11	0.33
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	11	0.33
(1,776)	1:378:A:GLN:HB2	1:379:A:LEU:H	19	0.33
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	11	0.33
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	11	0.33
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	11	0.33
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	11	0.33
(1,756)	1:400:A:VAL:HA	1:403:A:ALA:H	8	0.33
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	14	0.33
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	14	0.33
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	14	0.33
(1,746)	1:358:A:CYS:H	1:464:A:SER:HB3	8	0.33
(1,744)	1:358:A:CYS:H	1:385:A:PRO:HA	5	0.33
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	10	0.33
(1,669)	1:416:A:ASP:H	1:435:A:GLN:HA	15	0.33
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	2	0.33
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	10	0.33
(1,580)	1:466:A:PRO:HG3	1:468:A:SER:H	14	0.33
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	10	0.33
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	4	0.33
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	9	0.33
(1,478)	1:359:A:VAL:HA	1:361:A:VAL:H	2	0.33
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	8	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:424:A:THR:HG21	1:434:A:ILE:H	18	0.33
(1,400)	1:424:A:THR:HG22	1:434:A:ILE:H	18	0.33
(1,400)	1:424:A:THR:HG23	1:434:A:ILE:H	18	0.33
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	1	0.33
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	15	0.33
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	17	0.33
(1,371)	1:463:A:SER:HB2	1:464:A:SER:H	8	0.33
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	16	0.33
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	13	0.33
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	18	0.33
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	9	0.33
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	13	0.33
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	17	0.33
(1,213)	1:373:A:PRO:HG2	1:375:A:ARG:H	20	0.33
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	1	0.33
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	1	0.33
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	1	0.33
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	6	0.33
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	6	0.33
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	6	0.33
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	14	0.33
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	15	0.33
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	1	0.33
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	5	0.33
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	5	0.33
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	5	0.33
(1,4)	1:406:A:THR:HG21	1:411:A:GLY:H	6	0.33
(1,4)	1:406:A:THR:HG22	1:411:A:GLY:H	6	0.33
(1,4)	1:406:A:THR:HG23	1:411:A:GLY:H	6	0.33
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	10	0.32
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	10	0.32
(1,3093)	1:450:A:GLU:HA	1:453:A:CYS:HB2	7	0.32
(1,3093)	1:450:A:GLU:HA	1:453:A:CYS:HB3	7	0.32
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG2	18	0.32
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG3	18	0.32
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG2	18	0.32
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG3	18	0.32
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	2	0.32
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	2	0.32
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	2	0.32
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	2	0.32
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	2	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	2	0.32
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	2	0.32
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	2	0.32
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	2	0.32
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	2	0.32
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	2	0.32
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	2	0.32
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	2	0.32
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	2	0.32
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	2	0.32
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	2	0.32
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	2	0.32
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	2	0.32
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	13	0.32
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	13	0.32
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	13	0.32
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	13	0.32
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	13	0.32
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	13	0.32
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	13	0.32
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	13	0.32
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	13	0.32
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	13	0.32
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	13	0.32
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	13	0.32
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	13	0.32
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	13	0.32
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	13	0.32
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	13	0.32
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	13	0.32
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	13	0.32
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	17	0.32
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	17	0.32
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	17	0.32
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	17	0.32
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	17	0.32
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	17	0.32
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	17	0.32
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	17	0.32
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	17	0.32
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	17	0.32
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	17	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	17	0.32
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	17	0.32
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	17	0.32
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	17	0.32
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	17	0.32
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	17	0.32
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	17	0.32
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD21	14	0.32
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD22	14	0.32
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD21	14	0.32
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD22	14	0.32
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD21	14	0.32
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD22	14	0.32
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD21	14	0.32
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD22	14	0.32
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD21	14	0.32
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD22	14	0.32
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD21	14	0.32
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD22	14	0.32
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB2	13	0.32
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB3	13	0.32
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE21	1	0.32
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE21	1	0.32
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE21	1	0.32
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE21	1	0.32
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE21	1	0.32
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE21	1	0.32
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE22	1	0.32
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE22	1	0.32
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE22	1	0.32
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE22	1	0.32
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE22	1	0.32
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE22	1	0.32
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	4	0.32
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	4	0.32
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE2	19	0.32
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE3	19	0.32
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD11	4	0.32
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD12	4	0.32
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD13	4	0.32
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD21	4	0.32
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD22	4	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD23	4	0.32
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	15	0.32
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	15	0.32
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	15	0.32
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	15	0.32
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	15	0.32
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	15	0.32
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	15	0.32
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	15	0.32
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	15	0.32
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	15	0.32
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	15	0.32
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	15	0.32
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	15	0.32
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	15	0.32
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	15	0.32
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	15	0.32
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	15	0.32
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	15	0.32
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	6	0.32
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	6	0.32
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	6	0.32
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	6	0.32
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	6	0.32
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	6	0.32
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	12	0.32
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	12	0.32
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	12	0.32
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	12	0.32
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	12	0.32
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	12	0.32
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	15	0.32
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	15	0.32
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	15	0.32
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	15	0.32
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	15	0.32
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	15	0.32
(1,2848)	1:400:A:VAL:HG11	1:425:A:ALA:HA	10	0.32
(1,2848)	1:400:A:VAL:HG12	1:425:A:ALA:HA	10	0.32
(1,2848)	1:400:A:VAL:HG13	1:425:A:ALA:HA	10	0.32
(1,2848)	1:400:A:VAL:HG21	1:425:A:ALA:HA	10	0.32
(1,2848)	1:400:A:VAL:HG22	1:425:A:ALA:HA	10	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:400:A:VAL:HG23	1:425:A:ALA:HA	10	0.32
(1,2848)	1:400:A:VAL:HG11	1:425:A:ALA:HA	20	0.32
(1,2848)	1:400:A:VAL:HG12	1:425:A:ALA:HA	20	0.32
(1,2848)	1:400:A:VAL:HG13	1:425:A:ALA:HA	20	0.32
(1,2848)	1:400:A:VAL:HG21	1:425:A:ALA:HA	20	0.32
(1,2848)	1:400:A:VAL:HG22	1:425:A:ALA:HA	20	0.32
(1,2848)	1:400:A:VAL:HG23	1:425:A:ALA:HA	20	0.32
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	15	0.32
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	15	0.32
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	15	0.32
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	15	0.32
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	15	0.32
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	15	0.32
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	11	0.32
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	11	0.32
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	11	0.32
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	11	0.32
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	11	0.32
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	11	0.32
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	13	0.32
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	13	0.32
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	13	0.32
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	13	0.32
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	13	0.32
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	13	0.32
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	5	0.32
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	5	0.32
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	5	0.32
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	5	0.32
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	5	0.32
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	5	0.32
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	12	0.32
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	12	0.32
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	12	0.32
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	12	0.32
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	12	0.32
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	12	0.32
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD11	14	0.32
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD12	14	0.32
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD13	14	0.32
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD21	14	0.32
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD22	14	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD23	14	0.32
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD11	5	0.32
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD12	5	0.32
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD13	5	0.32
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD21	5	0.32
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD22	5	0.32
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD23	5	0.32
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	14	0.32
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	14	0.32
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	13	0.32
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	13	0.32
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	13	0.32
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	13	0.32
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	13	0.32
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	13	0.32
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	1	0.32
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	1	0.32
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	1	0.32
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	1	0.32
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	1	0.32
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	1	0.32
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	1	0.32
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	1	0.32
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	15	0.32
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	15	0.32
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	15	0.32
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	15	0.32
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	15	0.32
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	15	0.32
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	2	0.32
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	2	0.32
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	2	0.32
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	2	0.32
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	2	0.32
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	2	0.32
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	19	0.32
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	19	0.32
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	19	0.32
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	19	0.32
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	19	0.32
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	19	0.32
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	8	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	8	0.32
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	8	0.32
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	8	0.32
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	8	0.32
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	8	0.32
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD11	8	0.32
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD12	8	0.32
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD13	8	0.32
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD11	8	0.32
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD12	8	0.32
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD13	8	0.32
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD11	8	0.32
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD12	8	0.32
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD13	8	0.32
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD11	13	0.32
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD12	13	0.32
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD13	13	0.32
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD11	13	0.32
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD12	13	0.32
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD13	13	0.32
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD11	13	0.32
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD12	13	0.32
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD13	13	0.32
(1,2361)	1:376:A:ILE:HA	1:378:A:GLN:HB2	17	0.32
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	1	0.32
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	2	0.32
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	6	0.32
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	10	0.32
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	3	0.32
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	3	0.32
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	3	0.32
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	20	0.32
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	20	0.32
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	20	0.32
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	5	0.32
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	5	0.32
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	5	0.32
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	5	0.32
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	5	0.32
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	5	0.32
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	5	0.32
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	5	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	5	0.32
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	4	0.32
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	4	0.32
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	4	0.32
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	10	0.32
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	10	0.32
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	10	0.32
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	9	0.32
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	19	0.32
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	2	0.32
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	2	0.32
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	2	0.32
(1,2213)	1:451:A:ASN:HA	1:453:A:CYS:H	20	0.32
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	8	0.32
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	8	0.32
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	8	0.32
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	8	0.32
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	8	0.32
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	8	0.32
(1,2199)	1:405:A:GLU:HA	1:407:A:LYS:HB3	12	0.32
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	2	0.32
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	2	0.32
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	2	0.32
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	15	0.32
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	15	0.32
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	15	0.32
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	16	0.32
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	16	0.32
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	16	0.32
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	18	0.32
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	18	0.32
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	18	0.32
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	2	0.32
(1,2046)	1:399:A:CYS:HA	1:401:A:ASP:H	12	0.32
(1,2024)	1:397:A:GLN:HA	1:399:A:CYS:H	8	0.32
(1,1986)	1:395:A:ILE:HD11	1:449:A:LEU:HG	8	0.32
(1,1986)	1:395:A:ILE:HD12	1:449:A:LEU:HG	8	0.32
(1,1986)	1:395:A:ILE:HD13	1:449:A:LEU:HG	8	0.32
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD11	8	0.32
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD12	8	0.32
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD13	8	0.32
(1,1951)	1:375:A:ARG:HD3	1:402:A:CYS:HB2	16	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	19	0.32
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	19	0.32
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	4	0.32
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	4	0.32
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	4	0.32
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	18	0.32
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	18	0.32
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	18	0.32
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD11	8	0.32
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD12	8	0.32
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD13	8	0.32
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	11	0.32
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	14	0.32
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	1	0.32
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	5	0.32
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	5	0.32
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	14	0.32
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	18	0.32
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG21	9	0.32
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG22	9	0.32
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG23	9	0.32
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	2	0.32
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	2	0.32
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	2	0.32
(1,1833)	1:396:A:VAL:HG21	1:423:A:ILE:HG13	1	0.32
(1,1833)	1:396:A:VAL:HG22	1:423:A:ILE:HG13	1	0.32
(1,1833)	1:396:A:VAL:HG23	1:423:A:ILE:HG13	1	0.32
(1,1768)	1:392:A:LEU:HD11	1:445:A:ALA:HA	9	0.32
(1,1768)	1:392:A:LEU:HD12	1:445:A:ALA:HA	9	0.32
(1,1768)	1:392:A:LEU:HD13	1:445:A:ALA:HA	9	0.32
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	16	0.32
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	10	0.32
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	8	0.32
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG21	16	0.32
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG22	16	0.32
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG23	16	0.32
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	20	0.32
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	20	0.32
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	20	0.32
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	20	0.32
(1,1415)	1:406:A:THR:HG21	1:427:A:PHE:HB3	19	0.32
(1,1415)	1:406:A:THR:HG22	1:427:A:PHE:HB3	19	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1415)	1:406:A:THR:HG23	1:427:A:PHE:HB3	19	0.32
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	10	0.32
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	10	0.32
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	10	0.32
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	19	0.32
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	19	0.32
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	19	0.32
(1,1320)	1:465:A:GLN:HA	1:465:A:GLN:HG2	10	0.32
(1,1320)	1:465:A:GLN:HA	1:465:A:GLN:HG3	10	0.32
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	17	0.32
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	17	0.32
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	17	0.32
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	20	0.32
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	9	0.32
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	2	0.32
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	7	0.32
(1,1184)	1:367:A:PHE:HB3	1:377:A:GLN:HG2	14	0.32
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	7	0.32
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	7	0.32
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	7	0.32
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	18	0.32
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	18	0.32
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	18	0.32
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	2	0.32
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	13	0.32
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	2	0.32
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	14	0.32
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	20	0.32
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	6	0.32
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	2	0.32
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	17	0.32
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	16	0.32
(1,1100)	1:425:A:ALA:HA	1:432:A:HIS:H	20	0.32
(1,1091)	1:416:A:ASP:HB2	1:418:A:ARG:H	10	0.32
(1,1088)	1:412:A:TYR:H	1:412:A:TYR:HE1	3	0.32
(1,1087)	1:412:A:TYR:HD1	1:413:A:LEU:H	3	0.32
(1,1087)	1:412:A:TYR:HD1	1:413:A:LEU:H	4	0.32
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	12	0.32
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	3	0.32
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	3	0.32
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	3	0.32
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	16	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	16	0.32
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD21	2	0.32
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD22	2	0.32
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	12	0.32
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	16	0.32
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	20	0.32
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	20	0.32
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	20	0.32
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	20	0.32
(1,970)	1:465:A:GLN:HE21	1:466:A:PRO:HD2	18	0.32
(1,970)	1:465:A:GLN:HE22	1:466:A:PRO:HD2	18	0.32
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD11	14	0.32
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD12	14	0.32
(1,964)	1:360:A:TYR:H	1:462:A:LEU:HD13	14	0.32
(1,934)	1:466:A:PRO:HG2	1:467:A:PHE:H	19	0.32
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	16	0.32
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD2	10	0.32
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD3	10	0.32
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	6	0.32
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	18	0.32
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	18	0.32
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	18	0.32
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	5	0.32
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	5	0.32
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	5	0.32
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	13	0.32
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	13	0.32
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	13	0.32
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	17	0.32
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	17	0.32
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	17	0.32
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	8	0.32
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	13	0.32
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	1	0.32
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	1	0.32
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	1	0.32
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	15	0.32
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	15	0.32
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	15	0.32
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	20	0.32
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	20	0.32
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	20	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:411:A:GLY:HA2	1:413:A:LEU:H	19	0.32
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	3	0.32
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	17	0.32
(1,633)	1:359:A:VAL:HA	1:465:A:GLN:H	2	0.32
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	5	0.32
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	5	0.32
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	17	0.32
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	17	0.32
(1,601)	1:439:A:VAL:HG11	1:445:A:ALA:H	16	0.32
(1,601)	1:439:A:VAL:HG12	1:445:A:ALA:H	16	0.32
(1,601)	1:439:A:VAL:HG13	1:445:A:ALA:H	16	0.32
(1,514)	1:451:A:ASN:H	1:453:A:CYS:H	12	0.32
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	18	0.32
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	9	0.32
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	9	0.32
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	16	0.32
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	16	0.32
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	4	0.32
(1,479)	1:361:A:VAL:H	1:381:A:ASP:HA	19	0.32
(1,478)	1:359:A:VAL:HA	1:361:A:VAL:H	16	0.32
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	16	0.32
(1,382)	1:417:A:ASN:H	1:418:A:ARG:HB2	19	0.32
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	8	0.32
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	9	0.32
(1,287)	1:405:A:GLU:HB3	1:407:A:LYS:H	11	0.32
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	14	0.32
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	6	0.32
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	13	0.32
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	8	0.32
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	16	0.32
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	8	0.32
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	18	0.32
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	7	0.32
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	7	0.32
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	7	0.32
(1,176)	1:365:A:GLY:H	1:366:A:ASN:H	14	0.32
(1,175)	1:362:A:ASN:HD21	1:366:A:ASN:H	14	0.32
(1,175)	1:362:A:ASN:HD22	1:366:A:ASN:H	14	0.32
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	19	0.32
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	1	0.32
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	1	0.32
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	1	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	12	0.32
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	7	0.32
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	7	0.32
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	7	0.32
(1,107)	1:389:A:ASN:H	1:392:A:LEU:HB3	4	0.32
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	20	0.32
(1,77)	1:462:A:LEU:HG	1:463:A:SER:H	2	0.32
(1,77)	1:462:A:LEU:HG	1:463:A:SER:H	6	0.32
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	12	0.32
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	14	0.32
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	8	0.32
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	15	0.32
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	11	0.31
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	11	0.31
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	2	0.31
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	2	0.31
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	15	0.31
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	15	0.31
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	15	0.31
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	15	0.31
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	15	0.31
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	15	0.31
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	11	0.31
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	11	0.31
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	18	0.31
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	18	0.31
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB2	4	0.31
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB3	4	0.31
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	8	0.31
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	8	0.31
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	8	0.31
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	8	0.31
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	8	0.31
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	8	0.31
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	8	0.31
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	8	0.31
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	8	0.31
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	8	0.31
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	8	0.31
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	8	0.31
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	8	0.31
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	8	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	8	0.31
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	8	0.31
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	8	0.31
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	8	0.31
(1,3036)	1:439:A:VAL:HG11	1:445:A:ALA:H	12	0.31
(1,3036)	1:439:A:VAL:HG12	1:445:A:ALA:H	12	0.31
(1,3036)	1:439:A:VAL:HG13	1:445:A:ALA:H	12	0.31
(1,3036)	1:439:A:VAL:HG21	1:445:A:ALA:H	12	0.31
(1,3036)	1:439:A:VAL:HG22	1:445:A:ALA:H	12	0.31
(1,3036)	1:439:A:VAL:HG23	1:445:A:ALA:H	12	0.31
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB2	10	0.31
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB3	10	0.31
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	9	0.31
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	9	0.31
(1,2943)	1:418:A:ARG:HD2	1:419:A:GLY:H	13	0.31
(1,2943)	1:418:A:ARG:HD3	1:419:A:GLY:H	13	0.31
(1,2936)	1:416:A:ASP:HB2	1:435:A:GLN:HA	4	0.31
(1,2936)	1:416:A:ASP:HB3	1:435:A:GLN:HA	4	0.31
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	15	0.31
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	15	0.31
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	19	0.31
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	19	0.31
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	19	0.31
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	19	0.31
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	19	0.31
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	19	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	7	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	7	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	7	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	7	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	7	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	7	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	7	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	7	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	7	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	7	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	7	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	7	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	7	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	7	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	7	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	7	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	7	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	7	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	11	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	11	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	11	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	11	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	11	0.31
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	11	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	11	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	11	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	11	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	11	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	11	0.31
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	11	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	11	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	11	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	11	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	11	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	11	0.31
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	11	0.31
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	4	0.31
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	4	0.31
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	4	0.31
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	4	0.31
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	4	0.31
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	4	0.31
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	14	0.31
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	14	0.31
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	14	0.31
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	14	0.31
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	14	0.31
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	14	0.31
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD11	20	0.31
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD12	20	0.31
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD13	20	0.31
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD21	20	0.31
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD22	20	0.31
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD23	20	0.31
(1,2818)	1:399:A:CYS:HA	1:402:A:CYS:HB2	15	0.31
(1,2818)	1:399:A:CYS:HA	1:402:A:CYS:HB3	15	0.31
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	4	0.31
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	4	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	4	0.31
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	4	0.31
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	4	0.31
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	4	0.31
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	4	0.31
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	4	0.31
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	4	0.31
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	4	0.31
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	4	0.31
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	4	0.31
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	4	0.31
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	4	0.31
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	4	0.31
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	4	0.31
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	4	0.31
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	4	0.31
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	15	0.31
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	15	0.31
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	15	0.31
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	15	0.31
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	15	0.31
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	15	0.31
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	15	0.31
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	15	0.31
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	15	0.31
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	15	0.31
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	15	0.31
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	15	0.31
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	15	0.31
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	15	0.31
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	15	0.31
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	15	0.31
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	15	0.31
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	15	0.31
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	5	0.31
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	5	0.31
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	5	0.31
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	5	0.31
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	5	0.31
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	5	0.31
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	10	0.31
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	10	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	10	0.31
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	10	0.31
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	10	0.31
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	10	0.31
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	1	0.31
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	1	0.31
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	1	0.31
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	1	0.31
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	1	0.31
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	1	0.31
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	15	0.31
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	15	0.31
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	15	0.31
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	15	0.31
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	15	0.31
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	15	0.31
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	9	0.31
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	9	0.31
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	17	0.31
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	17	0.31
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	17	0.31
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	17	0.31
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	17	0.31
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	17	0.31
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD21	14	0.31
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD22	14	0.31
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD23	14	0.31
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD21	14	0.31
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD22	14	0.31
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD23	14	0.31
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD11	20	0.31
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD12	20	0.31
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD13	20	0.31
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD21	20	0.31
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD22	20	0.31
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD23	20	0.31
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	3	0.31
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	3	0.31
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	12	0.31
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	12	0.31
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	12	0.31
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	12	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	12	0.31
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	12	0.31
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	12	0.31
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	12	0.31
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	12	0.31
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	12	0.31
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	12	0.31
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	12	0.31
(1,2488)	1:360:A:TYR:H	1:464:A:SER:HB2	15	0.31
(1,2488)	1:360:A:TYR:H	1:464:A:SER:HB3	15	0.31
(1,2464)	1:359:A:VAL:HG11	1:383:A:PHE:HA	17	0.31
(1,2464)	1:359:A:VAL:HG12	1:383:A:PHE:HA	17	0.31
(1,2464)	1:359:A:VAL:HG13	1:383:A:PHE:HA	17	0.31
(1,2464)	1:359:A:VAL:HG21	1:383:A:PHE:HA	17	0.31
(1,2464)	1:359:A:VAL:HG22	1:383:A:PHE:HA	17	0.31
(1,2464)	1:359:A:VAL:HG23	1:383:A:PHE:HA	17	0.31
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	15	0.31
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	4	0.31
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	12	0.31
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	6	0.31
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	19	0.31
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	6	0.31
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	17	0.31
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	11	0.31
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	11	0.31
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	11	0.31
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	11	0.31
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	11	0.31
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	11	0.31
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	11	0.31
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	11	0.31
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	11	0.31
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	10	0.31
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	10	0.31
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	10	0.31
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	10	0.31
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	10	0.31
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	10	0.31
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	11	0.31
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	11	0.31
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	11	0.31
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	11	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	11	0.31
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	11	0.31
(1,2307)	1:359:A:VAL:HG21	1:464:A:SER:HA	15	0.31
(1,2307)	1:359:A:VAL:HG22	1:464:A:SER:HA	15	0.31
(1,2307)	1:359:A:VAL:HG23	1:464:A:SER:HA	15	0.31
(1,2303)	1:358:A:CYS:HA	1:359:A:VAL:HB	5	0.31
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	16	0.31
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	16	0.31
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	16	0.31
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	17	0.31
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	17	0.31
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	17	0.31
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	18	0.31
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	17	0.31
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	15	0.31
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	15	0.31
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	15	0.31
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	15	0.31
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	15	0.31
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	15	0.31
(1,2199)	1:405:A:GLU:HA	1:407:A:LYS:HB3	20	0.31
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	7	0.31
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	7	0.31
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	7	0.31
(1,2149)	1:439:A:VAL:HG11	1:444:A:PHE:HB2	3	0.31
(1,2149)	1:439:A:VAL:HG12	1:444:A:PHE:HB2	3	0.31
(1,2149)	1:439:A:VAL:HG13	1:444:A:PHE:HB2	3	0.31
(1,2141)	1:444:A:PHE:HA	1:447:A:ARG:HG2	3	0.31
(1,2141)	1:444:A:PHE:HA	1:447:A:ARG:HG3	3	0.31
(1,2139)	1:372:A:ASP:H	1:375:A:ARG:HD2	1	0.31
(1,2139)	1:372:A:ASP:H	1:375:A:ARG:HD2	10	0.31
(1,2112)	1:446:A:LEU:HD21	1:464:A:SER:HA	12	0.31
(1,2112)	1:446:A:LEU:HD22	1:464:A:SER:HA	12	0.31
(1,2112)	1:446:A:LEU:HD23	1:464:A:SER:HA	12	0.31
(1,2011)	1:354:A:MET:HB2	1:387:A:PRO:HA	3	0.31
(1,2011)	1:354:A:MET:HB3	1:387:A:PRO:HA	3	0.31
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	11	0.31
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG2	14	0.31
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG3	14	0.31
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	13	0.31
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	20	0.31
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	7	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	12	0.31
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	12	0.31
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	1	0.31
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	4	0.31
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	13	0.31
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	8	0.31
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	8	0.31
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	8	0.31
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	20	0.31
(1,1795)	1:406:A:THR:HG21	1:427:A:PHE:H	17	0.31
(1,1795)	1:406:A:THR:HG22	1:427:A:PHE:H	17	0.31
(1,1795)	1:406:A:THR:HG23	1:427:A:PHE:H	17	0.31
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	14	0.31
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	14	0.31
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	14	0.31
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	4	0.31
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	4	0.31
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	4	0.31
(1,1769)	1:445:A:ALA:HA	1:446:A:LEU:HD21	3	0.31
(1,1769)	1:445:A:ALA:HA	1:446:A:LEU:HD22	3	0.31
(1,1769)	1:445:A:ALA:HA	1:446:A:LEU:HD23	3	0.31
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD11	5	0.31
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD12	5	0.31
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD13	5	0.31
(1,1581)	1:380:A:PRO:HG3	1:382:A:HIS:H	15	0.31
(1,1581)	1:380:A:PRO:HG3	1:382:A:HIS:H	17	0.31
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	3	0.31
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	1	0.31
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	1	0.31
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	18	0.31
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	6	0.31
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	15	0.31
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	16	0.31
(1,1464)	1:434:A:ILE:HG12	1:435:A:GLN:H	14	0.31
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	5	0.31
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	5	0.31
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	5	0.31
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	20	0.31
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	20	0.31
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	20	0.31
(1,1365)	1:423:A:ILE:HG21	1:434:A:ILE:HG13	7	0.31
(1,1365)	1:423:A:ILE:HG22	1:434:A:ILE:HG13	7	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:423:A:ILE:HG23	1:434:A:ILE:HG13	7	0.31
(1,1312)	1:436:A:LEU:HG	1:437:A:PRO:HD2	10	0.31
(1,1280)	1:404:A:LEU:H	1:404:A:LEU:HD21	5	0.31
(1,1280)	1:404:A:LEU:H	1:404:A:LEU:HD22	5	0.31
(1,1280)	1:404:A:LEU:H	1:404:A:LEU:HD23	5	0.31
(1,1244)	1:389:A:ASN:HA	1:421:A:GLU:HG2	16	0.31
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB2	1	0.31
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB3	1	0.31
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	11	0.31
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	11	0.31
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	16	0.31
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	19	0.31
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	5	0.31
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	8	0.31
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	11	0.31
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	8	0.31
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	15	0.31
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	2	0.31
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	2	0.31
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	2	0.31
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	17	0.31
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	18	0.31
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	18	0.31
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	18	0.31
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	3	0.31
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	4	0.31
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	6	0.31
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	10	0.31
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	15	0.31
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	11	0.31
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	12	0.31
(1,1091)	1:416:A:ASP:HB2	1:418:A:ARG:H	13	0.31
(1,1041)	1:359:A:VAL:H	1:383:A:PHE:HB2	16	0.31
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	7	0.31
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	11	0.31
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	15	0.31
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	8	0.31
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	19	0.31
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	4	0.31
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	14	0.31
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	3	0.31
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	3	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	3	0.31
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	18	0.31
(1,767)	1:411:A:GLY:HA3	1:413:A:LEU:H	3	0.31
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	15	0.31
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	15	0.31
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	15	0.31
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	11	0.31
(1,713)	1:397:A:GLN:HB3	1:423:A:ILE:H	3	0.31
(1,695)	1:359:A:VAL:H	1:386:A:GLY:H	5	0.31
(1,672)	1:415:A:PRO:HB2	1:416:A:ASP:H	11	0.31
(1,672)	1:415:A:PRO:HB3	1:416:A:ASP:H	11	0.31
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	7	0.31
(1,601)	1:439:A:VAL:HG11	1:445:A:ALA:H	12	0.31
(1,601)	1:439:A:VAL:HG12	1:445:A:ALA:H	12	0.31
(1,601)	1:439:A:VAL:HG13	1:445:A:ALA:H	12	0.31
(1,601)	1:439:A:VAL:HG11	1:445:A:ALA:H	14	0.31
(1,601)	1:439:A:VAL:HG12	1:445:A:ALA:H	14	0.31
(1,601)	1:439:A:VAL:HG13	1:445:A:ALA:H	14	0.31
(1,580)	1:466:A:PRO:HG3	1:468:A:SER:H	6	0.31
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	12	0.31
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	12	0.31
(1,533)	1:427:A:PHE:H	1:429:A:GLY:H	12	0.31
(1,514)	1:451:A:ASN:H	1:453:A:CYS:H	14	0.31
(1,514)	1:451:A:ASN:H	1:453:A:CYS:H	18	0.31
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	18	0.31
(1,497)	1:395:A:ILE:HD11	1:398:A:ALA:H	7	0.31
(1,497)	1:395:A:ILE:HD12	1:398:A:ALA:H	7	0.31
(1,497)	1:395:A:ILE:HD13	1:398:A:ALA:H	7	0.31
(1,482)	1:361:A:VAL:H	1:382:A:HIS:H	17	0.31
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	19	0.31
(1,390)	1:360:A:TYR:HB3	1:383:A:PHE:H	2	0.31
(1,345)	1:393:A:ARG:HG3	1:422:A:VAL:H	2	0.31
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	5	0.31
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	5	0.31
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	15	0.31
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	3	0.31
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	19	0.31
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	18	0.31
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	18	0.31
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	18	0.31
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	20	0.31
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	20	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	20	0.31
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	16	0.31
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	16	0.31
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	16	0.31
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	16	0.31
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	8	0.31
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	10	0.31
(1,126)	1:431:A:THR:H	1:431:A:THR:HB	19	0.31
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	4	0.31
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	5	0.31
(1,77)	1:462:A:LEU:HG	1:463:A:SER:H	18	0.31
(1,67)	1:386:A:GLY:H	1:391:A:VAL:HB	20	0.31
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	6	0.31
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	10	0.31
(1,37)	1:419:A:GLY:H	1:435:A:GLN:HG2	12	0.31
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	5	0.31
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	15	0.31
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	20	0.3
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	20	0.3
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	20	0.3
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	20	0.3
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	20	0.3
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	20	0.3
(1,3093)	1:450:A:GLU:HA	1:453:A:CYS:HB2	5	0.3
(1,3093)	1:450:A:GLU:HA	1:453:A:CYS:HB3	5	0.3
(1,3093)	1:450:A:GLU:HA	1:453:A:CYS:HB2	8	0.3
(1,3093)	1:450:A:GLU:HA	1:453:A:CYS:HB3	8	0.3
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB2	9	0.3
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB3	9	0.3
(1,3056)	1:446:A:LEU:HB2	1:464:A:SER:H	1	0.3
(1,3056)	1:446:A:LEU:HB3	1:464:A:SER:H	1	0.3
(1,3036)	1:439:A:VAL:HG11	1:445:A:ALA:H	10	0.3
(1,3036)	1:439:A:VAL:HG12	1:445:A:ALA:H	10	0.3
(1,3036)	1:439:A:VAL:HG13	1:445:A:ALA:H	10	0.3
(1,3036)	1:439:A:VAL:HG21	1:445:A:ALA:H	10	0.3
(1,3036)	1:439:A:VAL:HG22	1:445:A:ALA:H	10	0.3
(1,3036)	1:439:A:VAL:HG23	1:445:A:ALA:H	10	0.3
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	2	0.3
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	2	0.3
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD11	16	0.3
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD12	16	0.3
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD13	16	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD21	16	0.3
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD22	16	0.3
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD23	16	0.3
(1,2974)	1:422:A:VAL:HG11	1:436:A:LEU:H	19	0.3
(1,2974)	1:422:A:VAL:HG12	1:436:A:LEU:H	19	0.3
(1,2974)	1:422:A:VAL:HG13	1:436:A:LEU:H	19	0.3
(1,2974)	1:422:A:VAL:HG21	1:436:A:LEU:H	19	0.3
(1,2974)	1:422:A:VAL:HG22	1:436:A:LEU:H	19	0.3
(1,2974)	1:422:A:VAL:HG23	1:436:A:LEU:H	19	0.3
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE21	11	0.3
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE21	11	0.3
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE21	11	0.3
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE21	11	0.3
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE21	11	0.3
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE21	11	0.3
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE22	11	0.3
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE22	11	0.3
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE22	11	0.3
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE22	11	0.3
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE22	11	0.3
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE22	11	0.3
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	8	0.3
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	8	0.3
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	8	0.3
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	8	0.3
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	8	0.3
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	8	0.3
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	8	0.3
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	8	0.3
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	8	0.3
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	8	0.3
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	8	0.3
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	8	0.3
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	8	0.3
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	8	0.3
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	8	0.3
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	8	0.3
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	8	0.3
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	8	0.3
(1,2850)	1:400:A:VAL:HG11	1:426:A:SER:H	11	0.3
(1,2850)	1:400:A:VAL:HG12	1:426:A:SER:H	11	0.3
(1,2850)	1:400:A:VAL:HG13	1:426:A:SER:H	11	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2850)	1:400:A:VAL:HG21	1:426:A:SER:H	11	0.3
(1,2850)	1:400:A:VAL:HG22	1:426:A:SER:H	11	0.3
(1,2850)	1:400:A:VAL:HG23	1:426:A:SER:H	11	0.3
(1,2848)	1:400:A:VAL:HG11	1:425:A:ALA:HA	12	0.3
(1,2848)	1:400:A:VAL:HG12	1:425:A:ALA:HA	12	0.3
(1,2848)	1:400:A:VAL:HG13	1:425:A:ALA:HA	12	0.3
(1,2848)	1:400:A:VAL:HG21	1:425:A:ALA:HA	12	0.3
(1,2848)	1:400:A:VAL:HG22	1:425:A:ALA:HA	12	0.3
(1,2848)	1:400:A:VAL:HG23	1:425:A:ALA:HA	12	0.3
(1,2848)	1:400:A:VAL:HG11	1:425:A:ALA:HA	13	0.3
(1,2848)	1:400:A:VAL:HG12	1:425:A:ALA:HA	13	0.3
(1,2848)	1:400:A:VAL:HG13	1:425:A:ALA:HA	13	0.3
(1,2848)	1:400:A:VAL:HG21	1:425:A:ALA:HA	13	0.3
(1,2848)	1:400:A:VAL:HG22	1:425:A:ALA:HA	13	0.3
(1,2848)	1:400:A:VAL:HG23	1:425:A:ALA:HA	13	0.3
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	9	0.3
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	9	0.3
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	9	0.3
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	9	0.3
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	9	0.3
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	9	0.3
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	13	0.3
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	13	0.3
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	13	0.3
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	13	0.3
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	13	0.3
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	13	0.3
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	11	0.3
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	11	0.3
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	11	0.3
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	11	0.3
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	11	0.3
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	11	0.3
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	10	0.3
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	10	0.3
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	10	0.3
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	10	0.3
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	10	0.3
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	10	0.3
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	16	0.3
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	16	0.3
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	16	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	16	0.3
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	16	0.3
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	16	0.3
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	17	0.3
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	17	0.3
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	17	0.3
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	17	0.3
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	17	0.3
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	17	0.3
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	1	0.3
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	1	0.3
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	1	0.3
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	1	0.3
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	1	0.3
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	1	0.3
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	4	0.3
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	4	0.3
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	4	0.3
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	4	0.3
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	4	0.3
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	4	0.3
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	8	0.3
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	8	0.3
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	8	0.3
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	8	0.3
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	8	0.3
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	8	0.3
(1,2704)	1:390:A:VAL:HA	1:421:A:GLU:HG2	8	0.3
(1,2704)	1:390:A:VAL:HA	1:421:A:GLU:HG3	8	0.3
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	6	0.3
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	6	0.3
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	6	0.3
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	6	0.3
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	6	0.3
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	6	0.3
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	18	0.3
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	18	0.3
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	18	0.3
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	18	0.3
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	18	0.3
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	18	0.3
(1,2626)	1:372:A:ASP:HB2	1:376:A:ILE:H	19	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2626)	1:372:A:ASP:HB3	1:376:A:ILE:H	19	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD11	14	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD12	14	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD13	14	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD21	14	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD22	14	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD23	14	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD11	20	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD12	20	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD13	20	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD21	20	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD22	20	0.3
(1,2605)	1:371:A:LEU:HG	1:456:A:LEU:HD23	20	0.3
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD21	20	0.3
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD22	20	0.3
(1,2589)	1:370:A:HIS:HB2	1:371:A:LEU:HD23	20	0.3
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD21	20	0.3
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD22	20	0.3
(1,2589)	1:370:A:HIS:HB3	1:371:A:LEU:HD23	20	0.3
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	3	0.3
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	3	0.3
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	10	0.3
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	10	0.3
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	16	0.3
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	16	0.3
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	5	0.3
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	5	0.3
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	5	0.3
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	5	0.3
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	5	0.3
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	5	0.3
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	11	0.3
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	11	0.3
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	15	0.3
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	15	0.3
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	20	0.3
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	20	0.3
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	4	0.3
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	4	0.3
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	4	0.3
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	4	0.3
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	4	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	4	0.3
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD11	11	0.3
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD12	11	0.3
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD13	11	0.3
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD21	11	0.3
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD22	11	0.3
(1,2529)	1:362:A:ASN:H	1:461:A:LEU:HD23	11	0.3
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	4	0.3
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	4	0.3
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	4	0.3
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	4	0.3
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	4	0.3
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	4	0.3
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	18	0.3
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	18	0.3
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	18	0.3
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	18	0.3
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	18	0.3
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	18	0.3
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	2	0.3
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	2	0.3
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	2	0.3
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	2	0.3
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	2	0.3
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	2	0.3
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	8	0.3
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	8	0.3
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	8	0.3
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	8	0.3
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	8	0.3
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	8	0.3
(1,2413)	1:355:A:SER:HB2	1:440:A:ASN:HB2	12	0.3
(1,2413)	1:355:A:SER:HB2	1:440:A:ASN:HB3	12	0.3
(1,2413)	1:355:A:SER:HB3	1:440:A:ASN:HB2	12	0.3
(1,2413)	1:355:A:SER:HB3	1:440:A:ASN:HB3	12	0.3
(1,2404)	1:354:A:MET:HA	1:440:A:ASN:HB2	14	0.3
(1,2404)	1:354:A:MET:HA	1:440:A:ASN:HB3	14	0.3
(1,2377)	1:376:A:ILE:HD11	1:377:A:GLN:HE21	18	0.3
(1,2377)	1:376:A:ILE:HD11	1:377:A:GLN:HE22	18	0.3
(1,2377)	1:376:A:ILE:HD12	1:377:A:GLN:HE21	18	0.3
(1,2377)	1:376:A:ILE:HD12	1:377:A:GLN:HE22	18	0.3
(1,2377)	1:376:A:ILE:HD13	1:377:A:GLN:HE21	18	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2377)	1:376:A:ILE:HD13	1:377:A:GLN:HE22	18	0.3
(1,2376)	1:371:A:LEU:HA	1:376:A:ILE:HD11	14	0.3
(1,2376)	1:371:A:LEU:HA	1:376:A:ILE:HD12	14	0.3
(1,2376)	1:371:A:LEU:HA	1:376:A:ILE:HD13	14	0.3
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	2	0.3
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	2	0.3
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	2	0.3
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	6	0.3
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	6	0.3
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	6	0.3
(1,2373)	1:376:A:ILE:HD11	1:399:A:CYS:HB2	15	0.3
(1,2373)	1:376:A:ILE:HD12	1:399:A:CYS:HB2	15	0.3
(1,2373)	1:376:A:ILE:HD13	1:399:A:CYS:HB2	15	0.3
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	6	0.3
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	6	0.3
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	15	0.3
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	1	0.3
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	4	0.3
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	17	0.3
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	19	0.3
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	3	0.3
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	11	0.3
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	17	0.3
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	18	0.3
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	10	0.3
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	10	0.3
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	10	0.3
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	10	0.3
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	10	0.3
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	10	0.3
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	10	0.3
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	10	0.3
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	10	0.3
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	12	0.3
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	12	0.3
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	12	0.3
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	12	0.3
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	12	0.3
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	12	0.3
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	12	0.3
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	12	0.3
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	12	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	1	0.3
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	1	0.3
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	1	0.3
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	1	0.3
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	1	0.3
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	1	0.3
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	8	0.3
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	8	0.3
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	8	0.3
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	8	0.3
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	8	0.3
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	8	0.3
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	13	0.3
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	13	0.3
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	13	0.3
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	3	0.3
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	9	0.3
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	4	0.3
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	4	0.3
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	4	0.3
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	4	0.3
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	4	0.3
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	4	0.3
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	4	0.3
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	4	0.3
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	4	0.3
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	1	0.3
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	3	0.3
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	19	0.3
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	19	0.3
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	19	0.3
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	5	0.3
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	6	0.3
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	9	0.3
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	4	0.3
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	4	0.3
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	4	0.3
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	11	0.3
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	11	0.3
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	11	0.3
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	6	0.3
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	6	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	6	0.3
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	10	0.3
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	10	0.3
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	10	0.3
(1,2139)	1:372:A:ASP:H	1:375:A:ARG:HD2	3	0.3
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD21	8	0.3
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD22	8	0.3
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD23	8	0.3
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	18	0.3
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	19	0.3
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD21	1	0.3
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD22	1	0.3
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD23	1	0.3
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD21	1	0.3
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD22	1	0.3
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD23	1	0.3
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD21	1	0.3
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD22	1	0.3
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD23	1	0.3
(1,1951)	1:375:A:ARG:HD3	1:402:A:CYS:HB2	14	0.3
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	20	0.3
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	20	0.3
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	10	0.3
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	10	0.3
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	10	0.3
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	10	0.3
(1,1913)	1:371:A:LEU:HB3	1:376:A:ILE:HB	14	0.3
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	3	0.3
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	5	0.3
(1,1895)	1:400:A:VAL:HA	1:402:A:CYS:H	10	0.3
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	15	0.3
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	15	0.3
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	16	0.3
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	16	0.3
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	16	0.3
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	7	0.3
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	12	0.3
(1,1791)	1:406:A:THR:HA	1:407:A:LYS:HG2	6	0.3
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	1	0.3
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	1	0.3
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	1	0.3
(1,1754)	1:360:A:TYR:HD1	1:466:A:PRO:HB2	12	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	12	0.3
(1,1676)	1:407:A:LYS:HE3	1:427:A:PHE:HA	20	0.3
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	1	0.3
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	1	0.3
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB1	14	0.3
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB2	14	0.3
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB3	14	0.3
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	8	0.3
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	8	0.3
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	19	0.3
(1,1458)	1:434:A:ILE:HD11	1:436:A:LEU:HG	18	0.3
(1,1458)	1:434:A:ILE:HD12	1:436:A:LEU:HG	18	0.3
(1,1458)	1:434:A:ILE:HD13	1:436:A:LEU:HG	18	0.3
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	4	0.3
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	4	0.3
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	4	0.3
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	19	0.3
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	19	0.3
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	19	0.3
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	17	0.3
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	17	0.3
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	17	0.3
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	12	0.3
(1,1324)	1:465:A:GLN:HG2	1:466:A:PRO:HD3	5	0.3
(1,1324)	1:465:A:GLN:HG3	1:466:A:PRO:HD3	5	0.3
(1,1324)	1:465:A:GLN:HG2	1:466:A:PRO:HD2	5	0.3
(1,1324)	1:465:A:GLN:HG3	1:466:A:PRO:HD2	5	0.3
(1,1312)	1:436:A:LEU:HG	1:437:A:PRO:HD2	1	0.3
(1,1312)	1:436:A:LEU:HG	1:437:A:PRO:HD2	9	0.3
(1,1312)	1:436:A:LEU:HG	1:437:A:PRO:HD2	12	0.3
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	12	0.3
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	12	0.3
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	12	0.3
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	20	0.3
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	20	0.3
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	20	0.3
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	8	0.3
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	11	0.3
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	5	0.3
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD21	6	0.3
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD22	6	0.3
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD23	6	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	3	0.3
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	20	0.3
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	4	0.3
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	12	0.3
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG3	10	0.3
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG2	10	0.3
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	5	0.3
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	5	0.3
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	5	0.3
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	9	0.3
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	9	0.3
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	9	0.3
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	13	0.3
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	13	0.3
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	13	0.3
(1,1135)	1:462:A:LEU:HD11	1:463:A:SER:H	6	0.3
(1,1135)	1:462:A:LEU:HD12	1:463:A:SER:H	6	0.3
(1,1135)	1:462:A:LEU:HD13	1:463:A:SER:H	6	0.3
(1,1135)	1:462:A:LEU:HD11	1:463:A:SER:H	16	0.3
(1,1135)	1:462:A:LEU:HD12	1:463:A:SER:H	16	0.3
(1,1135)	1:462:A:LEU:HD13	1:463:A:SER:H	16	0.3
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	6	0.3
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	1	0.3
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	11	0.3
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB1	18	0.3
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB2	18	0.3
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB3	18	0.3
(1,1095)	1:421:A:GLU:H	1:437:A:PRO:HD2	11	0.3
(1,1095)	1:421:A:GLU:H	1:437:A:PRO:HD2	20	0.3
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	9	0.3
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	18	0.3
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	9	0.3
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	19	0.3
(1,1044)	1:386:A:GLY:HA3	1:391:A:VAL:H	18	0.3
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	15	0.3
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD21	3	0.3
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD22	3	0.3
(1,1020)	1:361:A:VAL:HA	1:363:A:LYS:H	4	0.3
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	8	0.3
(1,1006)	1:457:A:GLN:HA	1:457:A:GLN:HE21	4	0.3
(1,1006)	1:457:A:GLN:HA	1:457:A:GLN:HE22	4	0.3
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	9	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	9	0.3
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	9	0.3
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	9	0.3
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	18	0.3
(1,941)	1:418:A:ARG:H	1:438:A:PRO:HD3	4	0.3
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD2	2	0.3
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD3	2	0.3
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	11	0.3
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	15	0.3
(1,812)	1:363:A:LYS:HB3	1:365:A:GLY:H	18	0.3
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	7	0.3
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	7	0.3
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	7	0.3
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	14	0.3
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	14	0.3
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	14	0.3
(1,771)	1:376:A:ILE:HG21	1:379:A:LEU:H	8	0.3
(1,771)	1:376:A:ILE:HG22	1:379:A:LEU:H	8	0.3
(1,771)	1:376:A:ILE:HG23	1:379:A:LEU:H	8	0.3
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	16	0.3
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	5	0.3
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	5	0.3
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	5	0.3
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	5	0.3
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	1	0.3
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	10	0.3
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	6	0.3
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	19	0.3
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	9	0.3
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB2	4	0.3
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB3	4	0.3
(1,587)	1:421:A:GLU:H	1:439:A:VAL:H	19	0.3
(1,557)	1:455:A:SER:H	1:456:A:LEU:HG	16	0.3
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	16	0.3
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	16	0.3
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	14	0.3
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	14	0.3
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	14	0.3
(1,440)	1:372:A:ASP:H	1:375:A:ARG:HD3	9	0.3
(1,414)	1:398:A:ALA:HA	1:401:A:ASP:H	2	0.3
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	7	0.3
(1,367)	1:446:A:LEU:HD21	1:464:A:SER:H	12	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,367)	1:446:A:LEU:HD22	1:464:A:SER:H	12	0.3
(1,367)	1:446:A:LEU:HD23	1:464:A:SER:H	12	0.3
(1,367)	1:446:A:LEU:HD11	1:464:A:SER:H	12	0.3
(1,367)	1:446:A:LEU:HD12	1:464:A:SER:H	12	0.3
(1,367)	1:446:A:LEU:HD13	1:464:A:SER:H	12	0.3
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	11	0.3
(1,308)	1:400:A:VAL:HB	1:424:A:THR:H	20	0.3
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	9	0.3
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	17	0.3
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	10	0.3
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	12	0.3
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	8	0.3
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	20	0.3
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	4	0.3
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	7	0.3
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	17	0.3
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	17	0.3
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	17	0.3
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	4	0.3
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	6	0.3
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	6	0.3
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	6	0.3
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	10	0.3
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	10	0.3
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	10	0.3
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG21	1	0.3
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG22	1	0.3
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG23	1	0.3
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	8	0.3
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	5	0.3
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	18	0.3
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	9	0.3
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	11	0.3
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	19	0.29
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	19	0.29
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	3	0.29
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	3	0.29
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	3	0.29
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	3	0.29
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	3	0.29
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	3	0.29
(1,3005)	1:432:A:HIS:HB2	1:433:A:SER:H	19	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3005)	1:432:A:HIS:HB3	1:433:A:SER:H	19	0.29
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	8	0.29
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	8	0.29
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	13	0.29
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	13	0.29
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	14	0.29
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	14	0.29
(1,2936)	1:416:A:ASP:HB2	1:435:A:GLN:HA	19	0.29
(1,2936)	1:416:A:ASP:HB3	1:435:A:GLN:HA	19	0.29
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	18	0.29
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	18	0.29
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	14	0.29
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	14	0.29
(1,2894)	1:411:A:GLY:H	1:413:A:LEU:HD11	4	0.29
(1,2894)	1:411:A:GLY:H	1:413:A:LEU:HD12	4	0.29
(1,2894)	1:411:A:GLY:H	1:413:A:LEU:HD13	4	0.29
(1,2894)	1:411:A:GLY:H	1:413:A:LEU:HD21	4	0.29
(1,2894)	1:411:A:GLY:H	1:413:A:LEU:HD22	4	0.29
(1,2894)	1:411:A:GLY:H	1:413:A:LEU:HD23	4	0.29
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	10	0.29
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	10	0.29
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	10	0.29
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	10	0.29
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	10	0.29
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	10	0.29
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	1	0.29
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	1	0.29
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	1	0.29
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	1	0.29
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	1	0.29
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	1	0.29
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	1	0.29
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	1	0.29
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	1	0.29
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	1	0.29
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	1	0.29
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	1	0.29
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	1	0.29
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	1	0.29
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	1	0.29
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	1	0.29
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	1	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	1	0.29
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	4	0.29
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	4	0.29
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	4	0.29
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	4	0.29
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	4	0.29
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	4	0.29
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	4	0.29
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	4	0.29
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	4	0.29
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	4	0.29
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	4	0.29
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	4	0.29
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	4	0.29
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	4	0.29
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	4	0.29
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	4	0.29
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	4	0.29
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	4	0.29
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	1	0.29
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	1	0.29
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	1	0.29
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	1	0.29
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	1	0.29
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	1	0.29
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	17	0.29
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	17	0.29
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	17	0.29
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	17	0.29
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	17	0.29
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	17	0.29
(1,2847)	1:400:A:VAL:HG11	1:424:A:THR:HA	15	0.29
(1,2847)	1:400:A:VAL:HG12	1:424:A:THR:HA	15	0.29
(1,2847)	1:400:A:VAL:HG13	1:424:A:THR:HA	15	0.29
(1,2847)	1:400:A:VAL:HG21	1:424:A:THR:HA	15	0.29
(1,2847)	1:400:A:VAL:HG22	1:424:A:THR:HA	15	0.29
(1,2847)	1:400:A:VAL:HG23	1:424:A:THR:HA	15	0.29
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	1	0.29
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	1	0.29
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	1	0.29
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	1	0.29
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	1	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	1	0.29
(1,2801)	1:396:A:VAL:HG11	1:424:A:THR:H	15	0.29
(1,2801)	1:396:A:VAL:HG12	1:424:A:THR:H	15	0.29
(1,2801)	1:396:A:VAL:HG13	1:424:A:THR:H	15	0.29
(1,2801)	1:396:A:VAL:HG21	1:424:A:THR:H	15	0.29
(1,2801)	1:396:A:VAL:HG22	1:424:A:THR:H	15	0.29
(1,2801)	1:396:A:VAL:HG23	1:424:A:THR:H	15	0.29
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	9	0.29
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	9	0.29
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	9	0.29
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	9	0.29
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	9	0.29
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	9	0.29
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	9	0.29
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	9	0.29
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	9	0.29
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	9	0.29
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	9	0.29
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	9	0.29
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	9	0.29
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	9	0.29
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	9	0.29
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	9	0.29
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	9	0.29
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	9	0.29
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	11	0.29
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	11	0.29
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	11	0.29
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	11	0.29
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	11	0.29
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	11	0.29
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	11	0.29
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	11	0.29
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	11	0.29
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	11	0.29
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	11	0.29
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	11	0.29
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	11	0.29
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	11	0.29
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	11	0.29
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	11	0.29
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	11	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	11	0.29
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD2	14	0.29
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD3	14	0.29
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD2	14	0.29
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD3	14	0.29
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD2	19	0.29
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD3	19	0.29
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD2	19	0.29
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD3	19	0.29
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	14	0.29
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	14	0.29
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	14	0.29
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	14	0.29
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	14	0.29
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	14	0.29
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG11	1	0.29
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG12	1	0.29
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG13	1	0.29
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG21	1	0.29
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG22	1	0.29
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG23	1	0.29
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	1	0.29
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	1	0.29
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	6	0.29
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	6	0.29
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	3	0.29
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	3	0.29
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	3	0.29
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	3	0.29
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	3	0.29
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	3	0.29
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	8	0.29
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	8	0.29
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	14	0.29
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	14	0.29
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	17	0.29
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	17	0.29
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	17	0.29
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	17	0.29
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	17	0.29
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	17	0.29
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	15	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	15	0.29
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	15	0.29
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	15	0.29
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	15	0.29
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	15	0.29
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	15	0.29
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	15	0.29
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	15	0.29
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	15	0.29
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	15	0.29
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	15	0.29
(1,2464)	1:359:A:VAL:HG11	1:383:A:PHE:HA	3	0.29
(1,2464)	1:359:A:VAL:HG12	1:383:A:PHE:HA	3	0.29
(1,2464)	1:359:A:VAL:HG13	1:383:A:PHE:HA	3	0.29
(1,2464)	1:359:A:VAL:HG21	1:383:A:PHE:HA	3	0.29
(1,2464)	1:359:A:VAL:HG22	1:383:A:PHE:HA	3	0.29
(1,2464)	1:359:A:VAL:HG23	1:383:A:PHE:HA	3	0.29
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	9	0.29
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	9	0.29
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	9	0.29
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	9	0.29
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	9	0.29
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	9	0.29
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	10	0.29
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	10	0.29
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	10	0.29
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	10	0.29
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	10	0.29
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	10	0.29
(1,2373)	1:376:A:ILE:HD11	1:399:A:CYS:HB2	11	0.29
(1,2373)	1:376:A:ILE:HD12	1:399:A:CYS:HB2	11	0.29
(1,2373)	1:376:A:ILE:HD13	1:399:A:CYS:HB2	11	0.29
(1,2361)	1:376:A:ILE:HA	1:378:A:GLN:HB2	13	0.29
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	12	0.29
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	14	0.29
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	18	0.29
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	1	0.29
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	8	0.29
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	12	0.29
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	12	0.29
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	12	0.29
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	18	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	18	0.29
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	18	0.29
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	18	0.29
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	18	0.29
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	18	0.29
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	18	0.29
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	18	0.29
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	18	0.29
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	5	0.29
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	5	0.29
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	5	0.29
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	5	0.29
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	5	0.29
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	5	0.29
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	9	0.29
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	9	0.29
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	9	0.29
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	9	0.29
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	9	0.29
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	9	0.29
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	19	0.29
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	19	0.29
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	19	0.29
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	19	0.29
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	19	0.29
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	19	0.29
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	20	0.29
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	18	0.29
(1,2213)	1:451:A:ASN:HA	1:453:A:CYS:H	2	0.29
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	17	0.29
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	17	0.29
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	17	0.29
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	17	0.29
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	17	0.29
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	17	0.29
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	13	0.29
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	13	0.29
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	13	0.29
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	11	0.29
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	11	0.29
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	11	0.29
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	20	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	20	0.29
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	20	0.29
(1,2139)	1:372:A:ASP:H	1:375:A:ARG:HD2	2	0.29
(1,2137)	1:444:A:PHE:HA	1:447:A:ARG:HD2	4	0.29
(1,2137)	1:444:A:PHE:HA	1:447:A:ARG:HD3	4	0.29
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD21	3	0.29
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD22	3	0.29
(1,2113)	1:358:A:CYS:H	1:446:A:LEU:HD23	3	0.29
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	8	0.29
(1,1951)	1:375:A:ARG:HD3	1:402:A:CYS:HB2	5	0.29
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	3	0.29
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD11	5	0.29
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD12	5	0.29
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD13	5	0.29
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	19	0.29
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	14	0.29
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	13	0.29
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	13	0.29
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	5	0.29
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	15	0.29
(1,1876)	1:447:A:ARG:HG2	1:448:A:PHE:HA	19	0.29
(1,1876)	1:447:A:ARG:HG3	1:448:A:PHE:HA	19	0.29
(1,1873)	1:448:A:PHE:HA	1:451:A:ASN:H	16	0.29
(1,1867)	1:354:A:MET:HA	1:355:A:SER:HB2	12	0.29
(1,1867)	1:354:A:MET:HA	1:355:A:SER:HB3	12	0.29
(1,1867)	1:354:A:MET:HA	1:355:A:SER:HB2	19	0.29
(1,1867)	1:354:A:MET:HA	1:355:A:SER:HB3	19	0.29
(1,1857)	1:409:A:VAL:HG21	1:412:A:TYR:H	5	0.29
(1,1857)	1:409:A:VAL:HG22	1:412:A:TYR:H	5	0.29
(1,1857)	1:409:A:VAL:HG23	1:412:A:TYR:H	5	0.29
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	13	0.29
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	14	0.29
(1,1843)	1:396:A:VAL:HG11	1:452:A:PHE:HA	19	0.29
(1,1843)	1:396:A:VAL:HG12	1:452:A:PHE:HA	19	0.29
(1,1843)	1:396:A:VAL:HG13	1:452:A:PHE:HA	19	0.29
(1,1825)	1:396:A:VAL:HA	1:452:A:PHE:HZ	17	0.29
(1,1807)	1:400:A:VAL:HG21	1:409:A:VAL:HB	13	0.29
(1,1807)	1:400:A:VAL:HG22	1:409:A:VAL:HB	13	0.29
(1,1807)	1:400:A:VAL:HG23	1:409:A:VAL:HB	13	0.29
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	6	0.29
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD11	19	0.29
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD12	19	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD13	19	0.29
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	9	0.29
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	9	0.29
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	14	0.29
(1,1581)	1:380:A:PRO:HG3	1:382:A:HIS:H	20	0.29
(1,1577)	1:379:A:LEU:HD21	1:380:A:PRO:HD2	10	0.29
(1,1577)	1:379:A:LEU:HD22	1:380:A:PRO:HD2	10	0.29
(1,1577)	1:379:A:LEU:HD23	1:380:A:PRO:HD2	10	0.29
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	16	0.29
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	11	0.29
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	20	0.29
(1,1503)	1:388:A:VAL:HA	1:391:A:VAL:HA	13	0.29
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	2	0.29
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	5	0.29
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	15	0.29
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	11	0.29
(1,1466)	1:422:A:VAL:HA	1:434:A:ILE:HG13	17	0.29
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	10	0.29
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	10	0.29
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	10	0.29
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	13	0.29
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	13	0.29
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	13	0.29
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	16	0.29
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	16	0.29
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	16	0.29
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	1	0.29
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	12	0.29
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	1	0.29
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	1	0.29
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	1	0.29
(1,1312)	1:436:A:LEU:HG	1:437:A:PRO:HD2	16	0.29
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	10	0.29
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	6	0.29
(1,1226)	1:371:A:LEU:HG	1:456:A:LEU:HD21	14	0.29
(1,1226)	1:371:A:LEU:HG	1:456:A:LEU:HD22	14	0.29
(1,1226)	1:371:A:LEU:HG	1:456:A:LEU:HD23	14	0.29
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	15	0.29
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	16	0.29
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	19	0.29
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	20	0.29
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	6	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	6	0.29
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	6	0.29
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	8	0.29
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	8	0.29
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	8	0.29
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	15	0.29
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	5	0.29
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	5	0.29
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	5	0.29
(1,1135)	1:462:A:LEU:HD11	1:463:A:SER:H	2	0.29
(1,1135)	1:462:A:LEU:HD12	1:463:A:SER:H	2	0.29
(1,1135)	1:462:A:LEU:HD13	1:463:A:SER:H	2	0.29
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	8	0.29
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	3	0.29
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	12	0.29
(1,1096)	1:418:A:ARG:H	1:420:A:GLY:H	13	0.29
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	14	0.29
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	7	0.29
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	20	0.29
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	14	0.29
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	17	0.29
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	6	0.29
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	1	0.29
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	3	0.29
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	7	0.29
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD2	7	0.29
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD3	7	0.29
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	17	0.29
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	6	0.29
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	3	0.29
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	3	0.29
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	3	0.29
(1,756)	1:400:A:VAL:HA	1:403:A:ALA:H	2	0.29
(1,756)	1:400:A:VAL:HA	1:403:A:ALA:H	13	0.29
(1,756)	1:400:A:VAL:HA	1:403:A:ALA:H	19	0.29
(1,754)	1:400:A:VAL:HB	1:403:A:ALA:H	20	0.29
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	8	0.29
(1,702)	1:424:A:THR:HB	1:432:A:HIS:H	17	0.29
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	14	0.29
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	14	0.29
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	6	0.29
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD21	14	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD22	14	0.29
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD23	14	0.29
(1,492)	1:397:A:GLN:HB3	1:398:A:ALA:H	17	0.29
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	12	0.29
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	18	0.29
(1,479)	1:361:A:VAL:H	1:381:A:ASP:HA	5	0.29
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	6	0.29
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	9	0.29
(1,382)	1:417:A:ASN:H	1:418:A:ARG:HB2	4	0.29
(1,355)	1:434:A:ILE:HD11	1:435:A:GLN:H	14	0.29
(1,355)	1:434:A:ILE:HD12	1:435:A:GLN:H	14	0.29
(1,355)	1:434:A:ILE:HD13	1:435:A:GLN:H	14	0.29
(1,345)	1:393:A:ARG:HG3	1:422:A:VAL:H	17	0.29
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	7	0.29
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	13	0.29
(1,299)	1:425:A:ALA:HB1	1:426:A:SER:H	4	0.29
(1,299)	1:425:A:ALA:HB2	1:426:A:SER:H	4	0.29
(1,299)	1:425:A:ALA:HB3	1:426:A:SER:H	4	0.29
(1,299)	1:425:A:ALA:HB1	1:426:A:SER:H	19	0.29
(1,299)	1:425:A:ALA:HB2	1:426:A:SER:H	19	0.29
(1,299)	1:425:A:ALA:HB3	1:426:A:SER:H	19	0.29
(1,297)	1:460:A:ASN:H	1:462:A:LEU:H	17	0.29
(1,287)	1:405:A:GLU:HB3	1:407:A:LYS:H	4	0.29
(1,287)	1:405:A:GLU:HB3	1:407:A:LYS:H	12	0.29
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	10	0.29
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	15	0.29
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	3	0.29
(1,240)	1:428:A:ASP:HA	1:430:A:GLU:H	2	0.29
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	17	0.29
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	19	0.29
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	14	0.29
(1,198)	1:405:A:GLU:HA	1:408:A:THR:H	9	0.29
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	7	0.29
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	7	0.29
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	7	0.29
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	19	0.29
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	19	0.29
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	19	0.29
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	17	0.29
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	17	0.29
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	17	0.29
(1,176)	1:365:A:GLY:H	1:366:A:ASN:H	13	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	3	0.29
(1,158)	1:374:A:LYS:H	1:375:A:ARG:HA	14	0.29
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	6	0.29
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	6	0.29
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	6	0.29
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	2	0.29
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	11	0.29
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	11	0.29
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	11	0.29
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	12	0.29
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	12	0.29
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	12	0.29
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	5	0.29
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	20	0.29
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	20	0.29
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	20	0.29
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	1	0.29
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	10	0.29
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	14	0.29
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	16	0.29
(1,59)	1:358:A:CYS:HA	1:384:A:GLY:H	7	0.29
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	10	0.29
(1,37)	1:419:A:GLY:H	1:435:A:GLN:HG2	1	0.29
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	4	0.29
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	10	0.29
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	13	0.28
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	13	0.28
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	11	0.28
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	11	0.28
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	4	0.28
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	4	0.28
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG2	20	0.28
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG3	20	0.28
(1,3086)	1:449:A:LEU:HD11	1:451:A:ASN:H	8	0.28
(1,3086)	1:449:A:LEU:HD12	1:451:A:ASN:H	8	0.28
(1,3086)	1:449:A:LEU:HD13	1:451:A:ASN:H	8	0.28
(1,3086)	1:449:A:LEU:HD21	1:451:A:ASN:H	8	0.28
(1,3086)	1:449:A:LEU:HD22	1:451:A:ASN:H	8	0.28
(1,3086)	1:449:A:LEU:HD23	1:451:A:ASN:H	8	0.28
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB2	7	0.28
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB3	7	0.28
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	15	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	15	0.28
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	15	0.28
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	15	0.28
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	15	0.28
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	15	0.28
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	15	0.28
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	15	0.28
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	15	0.28
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	15	0.28
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	15	0.28
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	15	0.28
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	15	0.28
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	15	0.28
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	15	0.28
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	15	0.28
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	15	0.28
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	15	0.28
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	16	0.28
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	16	0.28
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB2	6	0.28
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB3	6	0.28
(1,2943)	1:418:A:ARG:HD2	1:419:A:GLY:H	18	0.28
(1,2943)	1:418:A:ARG:HD3	1:419:A:GLY:H	18	0.28
(1,2935)	1:416:A:ASP:HB2	1:435:A:GLN:H	5	0.28
(1,2935)	1:416:A:ASP:HB3	1:435:A:GLN:H	5	0.28
(1,2926)	1:414:A:LYS:HG2	1:415:A:PRO:HD2	4	0.28
(1,2926)	1:414:A:LYS:HG3	1:415:A:PRO:HD2	4	0.28
(1,2926)	1:414:A:LYS:HG2	1:415:A:PRO:HD3	4	0.28
(1,2926)	1:414:A:LYS:HG3	1:415:A:PRO:HD3	4	0.28
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	2	0.28
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	2	0.28
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	2	0.28
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	2	0.28
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	2	0.28
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	2	0.28
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	2	0.28
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	2	0.28
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	2	0.28
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	2	0.28
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	2	0.28
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	2	0.28
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	2	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	2	0.28
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	2	0.28
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	2	0.28
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	2	0.28
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	2	0.28
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	16	0.28
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	16	0.28
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	16	0.28
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	16	0.28
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	16	0.28
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	16	0.28
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	16	0.28
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	16	0.28
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	16	0.28
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	16	0.28
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	16	0.28
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	16	0.28
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	16	0.28
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	16	0.28
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	16	0.28
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	16	0.28
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	16	0.28
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	16	0.28
(1,2832)	1:400:A:VAL:HG11	1:406:A:THR:H	19	0.28
(1,2832)	1:400:A:VAL:HG12	1:406:A:THR:H	19	0.28
(1,2832)	1:400:A:VAL:HG13	1:406:A:THR:H	19	0.28
(1,2832)	1:400:A:VAL:HG21	1:406:A:THR:H	19	0.28
(1,2832)	1:400:A:VAL:HG22	1:406:A:THR:H	19	0.28
(1,2832)	1:400:A:VAL:HG23	1:406:A:THR:H	19	0.28
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	18	0.28
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	18	0.28
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	18	0.28
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	18	0.28
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	18	0.28
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	18	0.28
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	17	0.28
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	17	0.28
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	17	0.28
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	17	0.28
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	17	0.28
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	17	0.28
(1,2801)	1:396:A:VAL:HG11	1:424:A:THR:H	14	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2801)	1:396:A:VAL:HG12	1:424:A:THR:H	14	0.28
(1,2801)	1:396:A:VAL:HG13	1:424:A:THR:H	14	0.28
(1,2801)	1:396:A:VAL:HG21	1:424:A:THR:H	14	0.28
(1,2801)	1:396:A:VAL:HG22	1:424:A:THR:H	14	0.28
(1,2801)	1:396:A:VAL:HG23	1:424:A:THR:H	14	0.28
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	12	0.28
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	12	0.28
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	12	0.28
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	12	0.28
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	12	0.28
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	12	0.28
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD2	6	0.28
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD3	6	0.28
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD2	6	0.28
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD3	6	0.28
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD2	6	0.28
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD3	6	0.28
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD2	6	0.28
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD3	6	0.28
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD2	6	0.28
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD3	6	0.28
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD2	6	0.28
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD3	6	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	2	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	2	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	2	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	2	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	2	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	2	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	9	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	9	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	9	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	9	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	9	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	9	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	11	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	11	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	11	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	11	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	11	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	11	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	20	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	20	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	20	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	20	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	20	0.28
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	20	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	6	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	6	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	6	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	6	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	6	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	6	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	19	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	19	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	19	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	19	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	19	0.28
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	19	0.28
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	15	0.28
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	15	0.28
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	19	0.28
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	19	0.28
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	7	0.28
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	7	0.28
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	7	0.28
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	7	0.28
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	7	0.28
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	7	0.28
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD11	1	0.28
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD12	1	0.28
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD13	1	0.28
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD21	1	0.28
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD22	1	0.28
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD23	1	0.28
(1,2594)	1:370:A:HIS:HB2	1:456:A:LEU:HA	20	0.28
(1,2594)	1:370:A:HIS:HB3	1:456:A:LEU:HA	20	0.28
(1,2584)	1:370:A:HIS:H	1:456:A:LEU:HD11	14	0.28
(1,2584)	1:370:A:HIS:H	1:456:A:LEU:HD12	14	0.28
(1,2584)	1:370:A:HIS:H	1:456:A:LEU:HD13	14	0.28
(1,2584)	1:370:A:HIS:H	1:456:A:LEU:HD21	14	0.28
(1,2584)	1:370:A:HIS:H	1:456:A:LEU:HD22	14	0.28
(1,2584)	1:370:A:HIS:H	1:456:A:LEU:HD23	14	0.28
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	20	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	20	0.28
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	12	0.28
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	12	0.28
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD11	3	0.28
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD12	3	0.28
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD13	3	0.28
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD21	3	0.28
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD22	3	0.28
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD23	3	0.28
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	7	0.28
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	7	0.28
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	10	0.28
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	10	0.28
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	4	0.28
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	4	0.28
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	20	0.28
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	20	0.28
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	12	0.28
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	12	0.28
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	12	0.28
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	12	0.28
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	12	0.28
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	12	0.28
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	19	0.28
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	19	0.28
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	19	0.28
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	19	0.28
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	19	0.28
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	19	0.28
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	20	0.28
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	20	0.28
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	20	0.28
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	20	0.28
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	20	0.28
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	20	0.28
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	17	0.28
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	17	0.28
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	17	0.28
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	17	0.28
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	17	0.28
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	17	0.28
(1,2476)	1:359:A:VAL:HG11	1:462:A:LEU:HA	18	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2476)	1:359:A:VAL:HG12	1:462:A:LEU:HA	18	0.28
(1,2476)	1:359:A:VAL:HG13	1:462:A:LEU:HA	18	0.28
(1,2476)	1:359:A:VAL:HG21	1:462:A:LEU:HA	18	0.28
(1,2476)	1:359:A:VAL:HG22	1:462:A:LEU:HA	18	0.28
(1,2476)	1:359:A:VAL:HG23	1:462:A:LEU:HA	18	0.28
(1,2464)	1:359:A:VAL:HG11	1:383:A:PHE:HA	7	0.28
(1,2464)	1:359:A:VAL:HG12	1:383:A:PHE:HA	7	0.28
(1,2464)	1:359:A:VAL:HG13	1:383:A:PHE:HA	7	0.28
(1,2464)	1:359:A:VAL:HG21	1:383:A:PHE:HA	7	0.28
(1,2464)	1:359:A:VAL:HG22	1:383:A:PHE:HA	7	0.28
(1,2464)	1:359:A:VAL:HG23	1:383:A:PHE:HA	7	0.28
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	3	0.28
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	3	0.28
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	3	0.28
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	3	0.28
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	3	0.28
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	3	0.28
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	4	0.28
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	4	0.28
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	4	0.28
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	4	0.28
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	4	0.28
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	4	0.28
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	11	0.28
(1,2361)	1:376:A:ILE:HA	1:378:A:GLN:HB2	3	0.28
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	1	0.28
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	3	0.28
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	20	0.28
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	19	0.28
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	10	0.28
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	8	0.28
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	10	0.28
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	5	0.28
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	5	0.28
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	5	0.28
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	5	0.28
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	5	0.28
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	5	0.28
(1,2187)	1:425:A:ALA:HB1	1:433:A:SER:HA	6	0.28
(1,2187)	1:425:A:ALA:HB2	1:433:A:SER:HA	6	0.28
(1,2187)	1:425:A:ALA:HB3	1:433:A:SER:HA	6	0.28
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	17	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	17	0.28
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	17	0.28
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	14	0.28
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	14	0.28
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	14	0.28
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	11	0.28
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	11	0.28
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	11	0.28
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	16	0.28
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	16	0.28
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	16	0.28
(1,2139)	1:372:A:ASP:H	1:375:A:ARG:HD2	7	0.28
(1,2139)	1:372:A:ASP:H	1:375:A:ARG:HD2	19	0.28
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD11	14	0.28
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD12	14	0.28
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD13	14	0.28
(1,1977)	1:395:A:ILE:HA	1:398:A:ALA:H	13	0.28
(1,1977)	1:395:A:ILE:HA	1:398:A:ALA:H	18	0.28
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	1	0.28
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	3	0.28
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	7	0.28
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	7	0.28
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	15	0.28
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	1	0.28
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	14	0.28
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	15	0.28
(1,1935)	1:371:A:LEU:HD21	1:376:A:ILE:HD11	12	0.28
(1,1935)	1:371:A:LEU:HD21	1:376:A:ILE:HD12	12	0.28
(1,1935)	1:371:A:LEU:HD21	1:376:A:ILE:HD13	12	0.28
(1,1935)	1:371:A:LEU:HD22	1:376:A:ILE:HD11	12	0.28
(1,1935)	1:371:A:LEU:HD22	1:376:A:ILE:HD12	12	0.28
(1,1935)	1:371:A:LEU:HD22	1:376:A:ILE:HD13	12	0.28
(1,1935)	1:371:A:LEU:HD23	1:376:A:ILE:HD11	12	0.28
(1,1935)	1:371:A:LEU:HD23	1:376:A:ILE:HD12	12	0.28
(1,1935)	1:371:A:LEU:HD23	1:376:A:ILE:HD13	12	0.28
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	2	0.28
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	2	0.28
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	2	0.28
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD11	19	0.28
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD12	19	0.28
(1,1922)	1:377:A:GLN:HA	1:379:A:LEU:HD13	19	0.28
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	9	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	3	0.28
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	4	0.28
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	9	0.28
(1,1833)	1:396:A:VAL:HG21	1:423:A:ILE:HG13	14	0.28
(1,1833)	1:396:A:VAL:HG22	1:423:A:ILE:HG13	14	0.28
(1,1833)	1:396:A:VAL:HG23	1:423:A:ILE:HG13	14	0.28
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	9	0.28
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	9	0.28
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	9	0.28
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	5	0.28
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	9	0.28
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB1	1	0.28
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB2	1	0.28
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB3	1	0.28
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB1	20	0.28
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB2	20	0.28
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB3	20	0.28
(1,1663)	1:407:A:LYS:HA	1:427:A:PHE:HE1	19	0.28
(1,1577)	1:379:A:LEU:HD21	1:380:A:PRO:HD2	8	0.28
(1,1577)	1:379:A:LEU:HD22	1:380:A:PRO:HD2	8	0.28
(1,1577)	1:379:A:LEU:HD23	1:380:A:PRO:HD2	8	0.28
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	14	0.28
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	6	0.28
(1,1529)	1:386:A:GLY:HA3	1:387:A:PRO:HG2	12	0.28
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	17	0.28
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	7	0.28
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	3	0.28
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	5	0.28
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD11	14	0.28
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD12	14	0.28
(1,1456)	1:423:A:ILE:HG12	1:434:A:ILE:HD13	14	0.28
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	4	0.28
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	19	0.28
(1,1415)	1:406:A:THR:HG21	1:427:A:PHE:HB3	3	0.28
(1,1415)	1:406:A:THR:HG22	1:427:A:PHE:HB3	3	0.28
(1,1415)	1:406:A:THR:HG23	1:427:A:PHE:HB3	3	0.28
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	2	0.28
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	19	0.28
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	16	0.28
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	16	0.28
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	16	0.28
(1,1380)	1:400:A:VAL:H	1:423:A:ILE:HD11	8	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:400:A:VAL:H	1:423:A:ILE:HD12	8	0.28
(1,1380)	1:400:A:VAL:H	1:423:A:ILE:HD13	8	0.28
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	4	0.28
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	4	0.28
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	4	0.28
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	16	0.28
(1,1336)	1:422:A:VAL:HA	1:436:A:LEU:HB2	16	0.28
(1,1324)	1:465:A:GLN:HG2	1:466:A:PRO:HD3	16	0.28
(1,1324)	1:465:A:GLN:HG3	1:466:A:PRO:HD3	16	0.28
(1,1324)	1:465:A:GLN:HG2	1:466:A:PRO:HD2	16	0.28
(1,1324)	1:465:A:GLN:HG3	1:466:A:PRO:HD2	16	0.28
(1,1320)	1:465:A:GLN:HA	1:465:A:GLN:HG2	14	0.28
(1,1320)	1:465:A:GLN:HA	1:465:A:GLN:HG3	14	0.28
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	8	0.28
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	8	0.28
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	8	0.28
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	3	0.28
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB2	17	0.28
(1,1241)	1:387:A:PRO:HG2	1:389:A:ASN:HB3	17	0.28
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	10	0.28
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	6	0.28
(1,1184)	1:367:A:PHE:HB3	1:377:A:GLN:HG2	5	0.28
(1,1184)	1:367:A:PHE:HB3	1:377:A:GLN:HG2	6	0.28
(1,1180)	1:376:A:ILE:HG12	1:377:A:GLN:HG2	13	0.28
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	5	0.28
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	5	0.28
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	8	0.28
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	7	0.28
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	20	0.28
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	17	0.28
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	7	0.28
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	8	0.28
(1,1044)	1:386:A:GLY:HA3	1:391:A:VAL:H	1	0.28
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	7	0.28
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	7	0.28
(1,1033)	1:367:A:PHE:H	1:369:A:PRO:HB3	13	0.28
(1,1030)	1:366:A:ASN:HD21	1:369:A:PRO:HA	19	0.28
(1,1030)	1:366:A:ASN:HD22	1:369:A:PRO:HA	19	0.28
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	2	0.28
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	14	0.28
(1,1011)	1:451:A:ASN:HD21	1:453:A:CYS:H	11	0.28
(1,1011)	1:451:A:ASN:HD22	1:453:A:CYS:H	11	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	18	0.28
(1,932)	1:355:A:SER:H	1:388:A:VAL:H	1	0.28
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	5	0.28
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	10	0.28
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	2	0.28
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	10	0.28
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	19	0.28
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	14	0.28
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	4	0.28
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	4	0.28
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	4	0.28
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	14	0.28
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	14	0.28
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	14	0.28
(1,809)	1:361:A:VAL:HG11	1:382:A:HIS:H	12	0.28
(1,809)	1:361:A:VAL:HG12	1:382:A:HIS:H	12	0.28
(1,809)	1:361:A:VAL:HG13	1:382:A:HIS:H	12	0.28
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	8	0.28
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	8	0.28
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	8	0.28
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	11	0.28
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	17	0.28
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	17	0.28
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	17	0.28
(1,767)	1:411:A:GLY:HA3	1:413:A:LEU:H	19	0.28
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	12	0.28
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	12	0.28
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	12	0.28
(1,746)	1:358:A:CYS:H	1:464:A:SER:HB3	7	0.28
(1,746)	1:358:A:CYS:H	1:464:A:SER:HB3	15	0.28
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	15	0.28
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	20	0.28
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	15	0.28
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	18	0.28
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	4	0.28
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	13	0.28
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	15	0.28
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD21	5	0.28
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD22	5	0.28
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD23	5	0.28
(1,587)	1:421:A:GLU:H	1:439:A:VAL:H	16	0.28
(1,578)	1:467:A:PHE:HB3	1:468:A:SER:H	18	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:467:A:PHE:HB2	1:468:A:SER:H	18	0.28
(1,523)	1:399:A:CYS:HB3	1:400:A:VAL:H	8	0.28
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	8	0.28
(1,492)	1:397:A:GLN:HB3	1:398:A:ALA:H	1	0.28
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	9	0.28
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	7	0.28
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	11	0.28
(1,435)	1:372:A:ASP:H	1:375:A:ARG:H	20	0.28
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	2	0.28
(1,414)	1:398:A:ALA:HA	1:401:A:ASP:H	13	0.28
(1,367)	1:446:A:LEU:HD21	1:464:A:SER:H	1	0.28
(1,367)	1:446:A:LEU:HD22	1:464:A:SER:H	1	0.28
(1,367)	1:446:A:LEU:HD23	1:464:A:SER:H	1	0.28
(1,367)	1:446:A:LEU:HD11	1:464:A:SER:H	1	0.28
(1,367)	1:446:A:LEU:HD12	1:464:A:SER:H	1	0.28
(1,367)	1:446:A:LEU:HD13	1:464:A:SER:H	1	0.28
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	16	0.28
(1,240)	1:428:A:ASP:HA	1:430:A:GLU:H	4	0.28
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	20	0.28
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	12	0.28
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	3	0.28
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	5	0.28
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	7	0.28
(1,204)	1:389:A:ASN:HB2	1:393:A:ARG:H	13	0.28
(1,204)	1:389:A:ASN:HB3	1:393:A:ARG:H	13	0.28
(1,198)	1:405:A:GLU:HA	1:408:A:THR:H	11	0.28
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	17	0.28
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	17	0.28
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	17	0.28
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	4	0.28
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	4	0.28
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	4	0.28
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	12	0.28
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	12	0.28
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	12	0.28
(1,163)	1:399:A:CYS:H	1:401:A:ASP:H	13	0.28
(1,158)	1:374:A:LYS:H	1:375:A:ARG:HA	3	0.28
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	6	0.28
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	6	0.28
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	6	0.28
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	7	0.28
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	7	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	7	0.28
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	10	0.28
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	10	0.28
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	10	0.28
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	13	0.28
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	13	0.28
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	13	0.28
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	4	0.28
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	1	0.28
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	4	0.28
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	14	0.28
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	13	0.28
(1,3162)	1:463:A:SER:H	1:464:A:SER:HB2	1	0.27
(1,3162)	1:463:A:SER:H	1:464:A:SER:HB3	1	0.27
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	17	0.27
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	17	0.27
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	17	0.27
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	17	0.27
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	17	0.27
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	17	0.27
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG2	13	0.27
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG3	13	0.27
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	9	0.27
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	9	0.27
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	9	0.27
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	9	0.27
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	9	0.27
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	9	0.27
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	9	0.27
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	9	0.27
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	9	0.27
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	9	0.27
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	9	0.27
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	9	0.27
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	9	0.27
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	9	0.27
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	9	0.27
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	9	0.27
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	9	0.27
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	9	0.27
(1,3036)	1:439:A:VAL:HG11	1:445:A:ALA:H	8	0.27
(1,3036)	1:439:A:VAL:HG12	1:445:A:ALA:H	8	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3036)	1:439:A:VAL:HG13	1:445:A:ALA:H	8	0.27
(1,3036)	1:439:A:VAL:HG21	1:445:A:ALA:H	8	0.27
(1,3036)	1:439:A:VAL:HG22	1:445:A:ALA:H	8	0.27
(1,3036)	1:439:A:VAL:HG23	1:445:A:ALA:H	8	0.27
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG11	6	0.27
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG12	6	0.27
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG13	6	0.27
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG21	6	0.27
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG22	6	0.27
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG23	6	0.27
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB2	7	0.27
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB3	7	0.27
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB2	7	0.27
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB3	7	0.27
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB2	7	0.27
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB3	7	0.27
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB2	15	0.27
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB3	15	0.27
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB2	15	0.27
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB3	15	0.27
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB2	15	0.27
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB3	15	0.27
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	2	0.27
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	2	0.27
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	8	0.27
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	8	0.27
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	18	0.27
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	18	0.27
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	8	0.27
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	8	0.27
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	20	0.27
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	20	0.27
(1,2883)	1:409:A:VAL:HG11	1:410:A:PHE:HA	16	0.27
(1,2883)	1:409:A:VAL:HG12	1:410:A:PHE:HA	16	0.27
(1,2883)	1:409:A:VAL:HG13	1:410:A:PHE:HA	16	0.27
(1,2883)	1:409:A:VAL:HG21	1:410:A:PHE:HA	16	0.27
(1,2883)	1:409:A:VAL:HG22	1:410:A:PHE:HA	16	0.27
(1,2883)	1:409:A:VAL:HG23	1:410:A:PHE:HA	16	0.27
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	2	0.27
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	2	0.27
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	2	0.27
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	2	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	2	0.27
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	2	0.27
(1,2796)	1:396:A:VAL:HG11	1:423:A:ILE:H	15	0.27
(1,2796)	1:396:A:VAL:HG12	1:423:A:ILE:H	15	0.27
(1,2796)	1:396:A:VAL:HG13	1:423:A:ILE:H	15	0.27
(1,2796)	1:396:A:VAL:HG21	1:423:A:ILE:H	15	0.27
(1,2796)	1:396:A:VAL:HG22	1:423:A:ILE:H	15	0.27
(1,2796)	1:396:A:VAL:HG23	1:423:A:ILE:H	15	0.27
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	11	0.27
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	11	0.27
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	11	0.27
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	11	0.27
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	11	0.27
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	11	0.27
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	12	0.27
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	12	0.27
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	12	0.27
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	12	0.27
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	12	0.27
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	12	0.27
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	19	0.27
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	19	0.27
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	19	0.27
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	19	0.27
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	19	0.27
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	19	0.27
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	19	0.27
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	19	0.27
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	19	0.27
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	19	0.27
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	19	0.27
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	19	0.27
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	19	0.27
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	19	0.27
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	19	0.27
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	19	0.27
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	19	0.27
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	19	0.27
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	3	0.27
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	3	0.27
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	3	0.27
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	3	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	3	0.27
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	3	0.27
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	6	0.27
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	6	0.27
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	6	0.27
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	6	0.27
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	6	0.27
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	6	0.27
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	5	0.27
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	5	0.27
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	5	0.27
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	5	0.27
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	5	0.27
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	5	0.27
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	7	0.27
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	7	0.27
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	7	0.27
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	7	0.27
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	7	0.27
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	7	0.27
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	17	0.27
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	17	0.27
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	17	0.27
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	17	0.27
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	17	0.27
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	17	0.27
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	1	0.27
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	1	0.27
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	1	0.27
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	1	0.27
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	1	0.27
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	1	0.27
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	4	0.27
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	4	0.27
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	18	0.27
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	18	0.27
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	15	0.27
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	15	0.27
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD11	5	0.27
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD12	5	0.27
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD13	5	0.27
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD21	5	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD22	5	0.27
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD23	5	0.27
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD11	5	0.27
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD12	5	0.27
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD13	5	0.27
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD21	5	0.27
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD22	5	0.27
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD23	5	0.27
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	13	0.27
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	13	0.27
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	18	0.27
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	18	0.27
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD11	14	0.27
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD12	14	0.27
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD13	14	0.27
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD21	14	0.27
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD22	14	0.27
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD23	14	0.27
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	9	0.27
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	9	0.27
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	9	0.27
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	9	0.27
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	9	0.27
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	9	0.27
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	20	0.27
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	20	0.27
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	20	0.27
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	20	0.27
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	20	0.27
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	20	0.27
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	2	0.27
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	2	0.27
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	2	0.27
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	2	0.27
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	2	0.27
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	2	0.27
(1,2373)	1:376:A:ILE:HD11	1:399:A:CYS:HB2	17	0.27
(1,2373)	1:376:A:ILE:HD12	1:399:A:CYS:HB2	17	0.27
(1,2373)	1:376:A:ILE:HD13	1:399:A:CYS:HB2	17	0.27
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	16	0.27
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	3	0.27
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	4	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	10	0.27
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	16	0.27
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	4	0.27
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	4	0.27
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	4	0.27
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	4	0.27
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	11	0.27
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	11	0.27
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	11	0.27
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	14	0.27
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	14	0.27
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	14	0.27
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	14	0.27
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	14	0.27
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	14	0.27
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	14	0.27
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	14	0.27
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	14	0.27
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	15	0.27
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	15	0.27
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	15	0.27
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	15	0.27
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	15	0.27
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	15	0.27
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	18	0.27
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	18	0.27
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	18	0.27
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	18	0.27
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	18	0.27
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	18	0.27
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	6	0.27
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	6	0.27
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	6	0.27
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	14	0.27
(1,2248)	1:372:A:ASP:H	1:403:A:ALA:HB1	17	0.27
(1,2248)	1:372:A:ASP:H	1:403:A:ALA:HB2	17	0.27
(1,2248)	1:372:A:ASP:H	1:403:A:ALA:HB3	17	0.27
(1,2233)	1:415:A:PRO:HG2	1:416:A:ASP:H	19	0.27
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	5	0.27
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	2	0.27
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	18	0.27
(1,2213)	1:451:A:ASN:HA	1:453:A:CYS:H	14	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	16	0.27
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	16	0.27
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	16	0.27
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	7	0.27
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	11	0.27
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	12	0.27
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	7	0.27
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	7	0.27
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	7	0.27
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD11	19	0.27
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD12	19	0.27
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD13	19	0.27
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD11	15	0.27
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD12	15	0.27
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD13	15	0.27
(1,1977)	1:395:A:ILE:HA	1:398:A:ALA:H	6	0.27
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	6	0.27
(1,1914)	1:367:A:PHE:HB2	1:371:A:LEU:HB3	13	0.27
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	5	0.27
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	8	0.27
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	15	0.27
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	17	0.27
(1,1833)	1:396:A:VAL:HG21	1:423:A:ILE:HG13	10	0.27
(1,1833)	1:396:A:VAL:HG22	1:423:A:ILE:HG13	10	0.27
(1,1833)	1:396:A:VAL:HG23	1:423:A:ILE:HG13	10	0.27
(1,1833)	1:396:A:VAL:HG21	1:423:A:ILE:HG13	15	0.27
(1,1833)	1:396:A:VAL:HG22	1:423:A:ILE:HG13	15	0.27
(1,1833)	1:396:A:VAL:HG23	1:423:A:ILE:HG13	15	0.27
(1,1830)	1:396:A:VAL:HA	1:423:A:ILE:HG13	1	0.27
(1,1825)	1:396:A:VAL:HA	1:452:A:PHE:HZ	6	0.27
(1,1807)	1:400:A:VAL:HG21	1:409:A:VAL:HB	11	0.27
(1,1807)	1:400:A:VAL:HG22	1:409:A:VAL:HB	11	0.27
(1,1807)	1:400:A:VAL:HG23	1:409:A:VAL:HB	11	0.27
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD11	13	0.27
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD12	13	0.27
(1,1659)	1:363:A:LYS:HG3	1:379:A:LEU:HD13	13	0.27
(1,1646)	1:363:A:LYS:HA	1:365:A:GLY:H	4	0.27
(1,1634)	1:380:A:PRO:HG3	1:383:A:PHE:HA	17	0.27
(1,1634)	1:380:A:PRO:HG3	1:383:A:PHE:HA	19	0.27
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	3	0.27
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	15	0.27
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	16	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	13	0.27
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	11	0.27
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	11	0.27
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	11	0.27
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	9	0.27
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	9	0.27
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	9	0.27
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	15	0.27
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	15	0.27
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	15	0.27
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG2	18	0.27
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG3	18	0.27
(1,1415)	1:406:A:THR:HG21	1:427:A:PHE:HB3	1	0.27
(1,1415)	1:406:A:THR:HG22	1:427:A:PHE:HB3	1	0.27
(1,1415)	1:406:A:THR:HG23	1:427:A:PHE:HB3	1	0.27
(1,1415)	1:406:A:THR:HG21	1:427:A:PHE:HB3	7	0.27
(1,1415)	1:406:A:THR:HG22	1:427:A:PHE:HB3	7	0.27
(1,1415)	1:406:A:THR:HG23	1:427:A:PHE:HB3	7	0.27
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	13	0.27
(1,1297)	1:446:A:LEU:HD11	1:464:A:SER:HA	20	0.27
(1,1297)	1:446:A:LEU:HD12	1:464:A:SER:HA	20	0.27
(1,1297)	1:446:A:LEU:HD13	1:464:A:SER:HA	20	0.27
(1,1281)	1:372:A:ASP:H	1:404:A:LEU:HD21	5	0.27
(1,1281)	1:372:A:ASP:H	1:404:A:LEU:HD22	5	0.27
(1,1281)	1:372:A:ASP:H	1:404:A:LEU:HD23	5	0.27
(1,1273)	1:372:A:ASP:H	1:404:A:LEU:HD11	19	0.27
(1,1273)	1:372:A:ASP:H	1:404:A:LEU:HD12	19	0.27
(1,1273)	1:372:A:ASP:H	1:404:A:LEU:HD13	19	0.27
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	14	0.27
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	8	0.27
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	15	0.27
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	6	0.27
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	10	0.27
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	16	0.27
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	6	0.27
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	14	0.27
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	17	0.27
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	14	0.27
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	14	0.27
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	14	0.27
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	14	0.27
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	14	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	14	0.27
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	7	0.27
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	12	0.27
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	10	0.27
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	11	0.27
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	17	0.27
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB1	6	0.27
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB2	6	0.27
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB3	6	0.27
(1,1104)	1:432:A:HIS:H	1:433:A:SER:HA	8	0.27
(1,1100)	1:425:A:ALA:HA	1:432:A:HIS:H	9	0.27
(1,1087)	1:412:A:TYR:HD1	1:413:A:LEU:H	7	0.27
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	11	0.27
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	17	0.27
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	10	0.27
(1,1047)	1:388:A:VAL:HA	1:445:A:ALA:H	18	0.27
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	8	0.27
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	8	0.27
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	18	0.27
(1,1011)	1:451:A:ASN:HD21	1:453:A:CYS:H	13	0.27
(1,1011)	1:451:A:ASN:HD22	1:453:A:CYS:H	13	0.27
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	15	0.27
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	4	0.27
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	12	0.27
(1,932)	1:355:A:SER:H	1:388:A:VAL:H	8	0.27
(1,869)	1:371:A:LEU:H	1:403:A:ALA:HB1	17	0.27
(1,869)	1:371:A:LEU:H	1:403:A:ALA:HB2	17	0.27
(1,869)	1:371:A:LEU:H	1:403:A:ALA:HB3	17	0.27
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	7	0.27
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	10	0.27
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	5	0.27
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	5	0.27
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	5	0.27
(1,787)	1:377:A:GLN:H	1:378:A:GLN:HG2	15	0.27
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	3	0.27
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	13	0.27
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	20	0.27
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	6	0.27
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	6	0.27
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	6	0.27
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	12	0.27
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	12	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	12	0.27
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	2	0.27
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	18	0.27
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	19	0.27
(1,746)	1:358:A:CYS:H	1:464:A:SER:HB3	16	0.27
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	3	0.27
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	5	0.27
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	17	0.27
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	19	0.27
(1,705)	1:425:A:ALA:HB1	1:432:A:HIS:H	12	0.27
(1,705)	1:425:A:ALA:HB2	1:432:A:HIS:H	12	0.27
(1,705)	1:425:A:ALA:HB3	1:432:A:HIS:H	12	0.27
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	4	0.27
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	15	0.27
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	1	0.27
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB2	11	0.27
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB3	11	0.27
(1,523)	1:399:A:CYS:HB3	1:400:A:VAL:H	12	0.27
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	14	0.27
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	4	0.27
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	2	0.27
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	4	0.27
(1,445)	1:372:A:ASP:H	1:376:A:ILE:HD11	14	0.27
(1,445)	1:372:A:ASP:H	1:376:A:ILE:HD12	14	0.27
(1,445)	1:372:A:ASP:H	1:376:A:ILE:HD13	14	0.27
(1,440)	1:372:A:ASP:H	1:375:A:ARG:HD3	8	0.27
(1,440)	1:372:A:ASP:H	1:375:A:ARG:HD3	20	0.27
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	7	0.27
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	10	0.27
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	11	0.27
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	19	0.27
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	18	0.27
(1,308)	1:400:A:VAL:HB	1:424:A:THR:H	2	0.27
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	15	0.27
(1,267)	1:421:A:GLU:H	1:436:A:LEU:HB2	18	0.27
(1,240)	1:428:A:ASP:HA	1:430:A:GLU:H	8	0.27
(1,240)	1:428:A:ASP:HA	1:430:A:GLU:H	14	0.27
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	13	0.27
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	15	0.27
(1,198)	1:405:A:GLU:HA	1:408:A:THR:H	17	0.27
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	5	0.27
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	15	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	19	0.27
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	11	0.27
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	11	0.27
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	6	0.27
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	15	0.27
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	15	0.27
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	15	0.27
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG21	19	0.27
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG22	19	0.27
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG23	19	0.27
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	4	0.27
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	17	0.27
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	8	0.27
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	15	0.27
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	19	0.27
(1,37)	1:419:A:GLY:H	1:435:A:GLN:HG2	2	0.27
(1,37)	1:419:A:GLY:H	1:435:A:GLN:HG2	5	0.27
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	17	0.27
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	5	0.27
(1,13)	1:408:A:THR:H	1:411:A:GLY:H	13	0.27
(1,13)	1:408:A:THR:H	1:411:A:GLY:H	18	0.27
(1,3170)	1:465:A:GLN:H	1:465:A:GLN:HB2	6	0.26
(1,3170)	1:465:A:GLN:H	1:465:A:GLN:HB3	6	0.26
(1,3131)	1:458:A:CYS:H	1:459:A:ASP:HB2	17	0.26
(1,3131)	1:458:A:CYS:H	1:459:A:ASP:HB3	17	0.26
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	20	0.26
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	20	0.26
(1,3048)	1:443:A:SER:HB2	1:444:A:PHE:HA	16	0.26
(1,3048)	1:443:A:SER:HB3	1:444:A:PHE:HA	16	0.26
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	1	0.26
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	1	0.26
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	1	0.26
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	1	0.26
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	1	0.26
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	1	0.26
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	1	0.26
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	1	0.26
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	1	0.26
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	1	0.26
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	1	0.26
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	1	0.26
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	1	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	1	0.26
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	1	0.26
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	1	0.26
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	1	0.26
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	1	0.26
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	18	0.26
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	18	0.26
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	18	0.26
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	18	0.26
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	18	0.26
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	18	0.26
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	18	0.26
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	18	0.26
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	18	0.26
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	18	0.26
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	18	0.26
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	18	0.26
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	18	0.26
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	18	0.26
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	18	0.26
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	18	0.26
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	18	0.26
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	18	0.26
(1,3036)	1:439:A:VAL:HG11	1:445:A:ALA:H	6	0.26
(1,3036)	1:439:A:VAL:HG12	1:445:A:ALA:H	6	0.26
(1,3036)	1:439:A:VAL:HG13	1:445:A:ALA:H	6	0.26
(1,3036)	1:439:A:VAL:HG21	1:445:A:ALA:H	6	0.26
(1,3036)	1:439:A:VAL:HG22	1:445:A:ALA:H	6	0.26
(1,3036)	1:439:A:VAL:HG23	1:445:A:ALA:H	6	0.26
(1,3036)	1:439:A:VAL:HG11	1:445:A:ALA:H	17	0.26
(1,3036)	1:439:A:VAL:HG12	1:445:A:ALA:H	17	0.26
(1,3036)	1:439:A:VAL:HG13	1:445:A:ALA:H	17	0.26
(1,3036)	1:439:A:VAL:HG21	1:445:A:ALA:H	17	0.26
(1,3036)	1:439:A:VAL:HG22	1:445:A:ALA:H	17	0.26
(1,3036)	1:439:A:VAL:HG23	1:445:A:ALA:H	17	0.26
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB2	9	0.26
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB3	9	0.26
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	1	0.26
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	1	0.26
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	14	0.26
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	14	0.26
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE21	2	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE21	2	0.26
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE21	2	0.26
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE21	2	0.26
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE21	2	0.26
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE21	2	0.26
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE22	2	0.26
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE22	2	0.26
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE22	2	0.26
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE22	2	0.26
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE22	2	0.26
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE22	2	0.26
(1,2935)	1:416:A:ASP:HB2	1:435:A:GLN:H	15	0.26
(1,2935)	1:416:A:ASP:HB3	1:435:A:GLN:H	15	0.26
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	2	0.26
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	2	0.26
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	3	0.26
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	3	0.26
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	18	0.26
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	18	0.26
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	18	0.26
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	18	0.26
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	18	0.26
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	18	0.26
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	18	0.26
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	18	0.26
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	18	0.26
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	18	0.26
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	18	0.26
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	18	0.26
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	18	0.26
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	18	0.26
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	18	0.26
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	18	0.26
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	18	0.26
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	18	0.26
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	2	0.26
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	2	0.26
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	2	0.26
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	2	0.26
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	2	0.26
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	2	0.26
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	2	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	2	0.26
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	2	0.26
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	2	0.26
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	2	0.26
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	2	0.26
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	2	0.26
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	2	0.26
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	2	0.26
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	2	0.26
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	2	0.26
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	2	0.26
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	7	0.26
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	7	0.26
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	7	0.26
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	7	0.26
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	7	0.26
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	7	0.26
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	11	0.26
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	11	0.26
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	11	0.26
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	11	0.26
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	11	0.26
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	11	0.26
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	14	0.26
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	14	0.26
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	14	0.26
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	14	0.26
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	14	0.26
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	14	0.26
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	15	0.26
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	15	0.26
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	15	0.26
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	15	0.26
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	15	0.26
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	15	0.26
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	9	0.26
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	9	0.26
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	9	0.26
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	9	0.26
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	9	0.26
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	9	0.26
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD2	16	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD3	16	0.26
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD2	16	0.26
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD3	16	0.26
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD2	16	0.26
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD3	16	0.26
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD2	16	0.26
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD3	16	0.26
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD2	16	0.26
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD3	16	0.26
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD2	16	0.26
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD3	16	0.26
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	16	0.26
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	16	0.26
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	16	0.26
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	16	0.26
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	16	0.26
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	16	0.26
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	7	0.26
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	7	0.26
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	7	0.26
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	7	0.26
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	7	0.26
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	7	0.26
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	19	0.26
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	19	0.26
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	19	0.26
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	19	0.26
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	19	0.26
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	19	0.26
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	20	0.26
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	20	0.26
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	20	0.26
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	20	0.26
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	20	0.26
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	20	0.26
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG11	18	0.26
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG12	18	0.26
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG13	18	0.26
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG21	18	0.26
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG22	18	0.26
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG23	18	0.26
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	12	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	12	0.26
(1,2626)	1:372:A:ASP:HB2	1:376:A:ILE:H	16	0.26
(1,2626)	1:372:A:ASP:HB3	1:376:A:ILE:H	16	0.26
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG11	15	0.26
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG12	15	0.26
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG13	15	0.26
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG21	15	0.26
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG22	15	0.26
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG23	15	0.26
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG11	19	0.26
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG12	19	0.26
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG13	19	0.26
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG21	19	0.26
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG22	19	0.26
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG23	19	0.26
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	5	0.26
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	5	0.26
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	8	0.26
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	8	0.26
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	9	0.26
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	9	0.26
(1,2567)	1:366:A:ASN:HB2	1:368:A:GLY:H	5	0.26
(1,2567)	1:366:A:ASN:HB3	1:368:A:GLY:H	5	0.26
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	7	0.26
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	7	0.26
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	14	0.26
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	14	0.26
(1,2548)	1:363:A:LYS:HE2	1:377:A:GLN:HG2	2	0.26
(1,2548)	1:363:A:LYS:HE3	1:377:A:GLN:HG2	2	0.26
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	13	0.26
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	13	0.26
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	13	0.26
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	13	0.26
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	13	0.26
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	13	0.26
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	7	0.26
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	7	0.26
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	7	0.26
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	7	0.26
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	7	0.26
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	7	0.26
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	7	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	7	0.26
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	7	0.26
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	7	0.26
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	7	0.26
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	7	0.26
(1,2464)	1:359:A:VAL:HG11	1:383:A:PHE:HA	13	0.26
(1,2464)	1:359:A:VAL:HG12	1:383:A:PHE:HA	13	0.26
(1,2464)	1:359:A:VAL:HG13	1:383:A:PHE:HA	13	0.26
(1,2464)	1:359:A:VAL:HG21	1:383:A:PHE:HA	13	0.26
(1,2464)	1:359:A:VAL:HG22	1:383:A:PHE:HA	13	0.26
(1,2464)	1:359:A:VAL:HG23	1:383:A:PHE:HA	13	0.26
(1,2460)	1:359:A:VAL:HG11	1:360:A:TYR:H	15	0.26
(1,2460)	1:359:A:VAL:HG12	1:360:A:TYR:H	15	0.26
(1,2460)	1:359:A:VAL:HG13	1:360:A:TYR:H	15	0.26
(1,2460)	1:359:A:VAL:HG21	1:360:A:TYR:H	15	0.26
(1,2460)	1:359:A:VAL:HG22	1:360:A:TYR:H	15	0.26
(1,2460)	1:359:A:VAL:HG23	1:360:A:TYR:H	15	0.26
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	6	0.26
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	6	0.26
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	6	0.26
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	6	0.26
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	6	0.26
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	6	0.26
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	16	0.26
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	16	0.26
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	16	0.26
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	16	0.26
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	16	0.26
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	16	0.26
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	3	0.26
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	3	0.26
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	3	0.26
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	15	0.26
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	15	0.26
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	15	0.26
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	19	0.26
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	19	0.26
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	19	0.26
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	16	0.26
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	7	0.26
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	10	0.26
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	3	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	5	0.26
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	15	0.26
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	7	0.26
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	7	0.26
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	7	0.26
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	18	0.26
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	18	0.26
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	18	0.26
(1,2307)	1:359:A:VAL:HG21	1:464:A:SER:HA	11	0.26
(1,2307)	1:359:A:VAL:HG22	1:464:A:SER:HA	11	0.26
(1,2307)	1:359:A:VAL:HG23	1:464:A:SER:HA	11	0.26
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	5	0.26
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	7	0.26
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	11	0.26
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	1	0.26
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	1	0.26
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	1	0.26
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	1	0.26
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	1	0.26
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	1	0.26
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	1	0.26
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	1	0.26
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	1	0.26
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	11	0.26
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	4	0.26
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	4	0.26
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	4	0.26
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	4	0.26
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	4	0.26
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	4	0.26
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	11	0.26
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	11	0.26
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	11	0.26
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	11	0.26
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	11	0.26
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	11	0.26
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	10	0.26
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	10	0.26
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	10	0.26
(1,2187)	1:425:A:ALA:HB1	1:433:A:SER:HA	4	0.26
(1,2187)	1:425:A:ALA:HB2	1:433:A:SER:HA	4	0.26
(1,2187)	1:425:A:ALA:HB3	1:433:A:SER:HA	4	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2187)	1:425:A:ALA:HB1	1:433:A:SER:HA	19	0.26
(1,2187)	1:425:A:ALA:HB2	1:433:A:SER:HA	19	0.26
(1,2187)	1:425:A:ALA:HB3	1:433:A:SER:HA	19	0.26
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB1	1	0.26
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB2	1	0.26
(1,2168)	1:357:A:VAL:HB	1:442:A:ALA:HB3	1	0.26
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	9	0.26
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	9	0.26
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	9	0.26
(1,2149)	1:439:A:VAL:HG11	1:444:A:PHE:HB2	2	0.26
(1,2149)	1:439:A:VAL:HG12	1:444:A:PHE:HB2	2	0.26
(1,2149)	1:439:A:VAL:HG13	1:444:A:PHE:HB2	2	0.26
(1,2141)	1:444:A:PHE:HA	1:447:A:ARG:HG2	4	0.26
(1,2141)	1:444:A:PHE:HA	1:447:A:ARG:HG3	4	0.26
(1,2139)	1:372:A:ASP:H	1:375:A:ARG:HD2	5	0.26
(1,2043)	1:450:A:GLU:H	1:450:A:GLU:HG2	19	0.26
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD11	10	0.26
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD12	10	0.26
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD13	10	0.26
(1,1951)	1:375:A:ARG:HD3	1:402:A:CYS:HB2	2	0.26
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	12	0.26
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	6	0.26
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	6	0.26
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	6	0.26
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	20	0.26
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	20	0.26
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	20	0.26
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	6	0.26
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	3	0.26
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	16	0.26
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	20	0.26
(1,1876)	1:447:A:ARG:HG2	1:448:A:PHE:HA	12	0.26
(1,1876)	1:447:A:ARG:HG3	1:448:A:PHE:HA	12	0.26
(1,1867)	1:354:A:MET:HA	1:355:A:SER:HB2	8	0.26
(1,1867)	1:354:A:MET:HA	1:355:A:SER:HB3	8	0.26
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	18	0.26
(1,1819)	1:417:A:ASN:HA	1:418:A:ARG:HB2	11	0.26
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	20	0.26
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	20	0.26
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	20	0.26
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB1	19	0.26
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB2	19	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB3	19	0.26
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB1	9	0.26
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB2	9	0.26
(1,1775)	1:393:A:ARG:H	1:445:A:ALA:HB3	9	0.26
(1,1732)	1:427:A:PHE:HD1	1:428:A:ASP:HA	4	0.26
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	7	0.26
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	9	0.26
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	2	0.26
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	2	0.26
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	2	0.26
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	2	0.26
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	2	0.26
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	2	0.26
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	2	0.26
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	2	0.26
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	2	0.26
(1,1616)	1:380:A:PRO:HD2	1:398:A:ALA:HB1	10	0.26
(1,1616)	1:380:A:PRO:HD2	1:398:A:ALA:HB2	10	0.26
(1,1616)	1:380:A:PRO:HD2	1:398:A:ALA:HB3	10	0.26
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	20	0.26
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	7	0.26
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	10	0.26
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	10	0.26
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	3	0.26
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	14	0.26
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	14	0.26
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	14	0.26
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	14	0.26
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	11	0.26
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	11	0.26
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	11	0.26
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	19	0.26
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	19	0.26
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	19	0.26
(1,1415)	1:406:A:THR:HG21	1:427:A:PHE:HB3	17	0.26
(1,1415)	1:406:A:THR:HG22	1:427:A:PHE:HB3	17	0.26
(1,1415)	1:406:A:THR:HG23	1:427:A:PHE:HB3	17	0.26
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	18	0.26
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	18	0.26
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	18	0.26
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	14	0.26
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	14	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	14	0.26
(1,1261)	1:369:A:PRO:HD3	1:457:A:GLN:HG3	7	0.26
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	15	0.26
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	8	0.26
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	17	0.26
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	5	0.26
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	7	0.26
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	13	0.26
(1,1178)	1:376:A:ILE:HB	1:377:A:GLN:HB2	10	0.26
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	12	0.26
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	2	0.26
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	7	0.26
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	19	0.26
(1,1145)	1:410:A:PHE:HA	1:413:A:LEU:HD21	16	0.26
(1,1145)	1:410:A:PHE:HA	1:413:A:LEU:HD22	16	0.26
(1,1145)	1:410:A:PHE:HA	1:413:A:LEU:HD23	16	0.26
(1,1137)	1:464:A:SER:HA	1:465:A:GLN:HE21	18	0.26
(1,1137)	1:464:A:SER:HA	1:465:A:GLN:HE22	18	0.26
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	11	0.26
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	6	0.26
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	12	0.26
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	1	0.26
(1,1089)	1:415:A:PRO:HD2	1:435:A:GLN:H	14	0.26
(1,1088)	1:412:A:TYR:H	1:412:A:TYR:HE1	9	0.26
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	4	0.26
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	16	0.26
(1,1067)	1:394:A:ARG:H	1:397:A:GLN:HE21	1	0.26
(1,1067)	1:394:A:ARG:H	1:397:A:GLN:HE22	1	0.26
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	10	0.26
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	17	0.26
(1,1044)	1:386:A:GLY:HA3	1:391:A:VAL:H	8	0.26
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	19	0.26
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	19	0.26
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD21	5	0.26
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD22	5	0.26
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	2	0.26
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	10	0.26
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	1	0.26
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	5	0.26
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	20	0.26
(1,1011)	1:451:A:ASN:HD21	1:453:A:CYS:H	12	0.26
(1,1011)	1:451:A:ASN:HD22	1:453:A:CYS:H	12	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	8	0.26
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	12	0.26
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	14	0.26
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	16	0.26
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	16	0.26
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	16	0.26
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	18	0.26
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	18	0.26
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	18	0.26
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	3	0.26
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	4	0.26
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	9	0.26
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	18	0.26
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	9	0.26
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	9	0.26
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	9	0.26
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	15	0.26
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	15	0.26
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	15	0.26
(1,810)	1:380:A:PRO:HG2	1:382:A:HIS:H	20	0.26
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	5	0.26
(1,787)	1:377:A:GLN:H	1:378:A:GLN:HG2	2	0.26
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	9	0.26
(1,754)	1:400:A:VAL:HB	1:403:A:ALA:H	19	0.26
(1,740)	1:360:A:TYR:H	1:360:A:TYR:HD1	15	0.26
(1,735)	1:360:A:TYR:H	1:462:A:LEU:HG	10	0.26
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	2	0.26
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	4	0.26
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	8	0.26
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	16	0.26
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	17	0.26
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	15	0.26
(1,672)	1:415:A:PRO:HB2	1:416:A:ASP:H	16	0.26
(1,672)	1:415:A:PRO:HB3	1:416:A:ASP:H	16	0.26
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	9	0.26
(1,578)	1:467:A:PHE:HB3	1:468:A:SER:H	13	0.26
(1,578)	1:467:A:PHE:HB2	1:468:A:SER:H	13	0.26
(1,510)	1:418:A:ARG:H	1:418:A:ARG:HD2	12	0.26
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	13	0.26
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	16	0.26
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	9	0.26
(1,454)	1:392:A:LEU:HD11	1:448:A:PHE:H	1	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:392:A:LEU:HD12	1:448:A:PHE:H	1	0.26
(1,454)	1:392:A:LEU:HD13	1:448:A:PHE:H	1	0.26
(1,444)	1:371:A:LEU:HD21	1:372:A:ASP:H	5	0.26
(1,444)	1:371:A:LEU:HD22	1:372:A:ASP:H	5	0.26
(1,444)	1:371:A:LEU:HD23	1:372:A:ASP:H	5	0.26
(1,444)	1:371:A:LEU:HD21	1:372:A:ASP:H	10	0.26
(1,444)	1:371:A:LEU:HD22	1:372:A:ASP:H	10	0.26
(1,444)	1:371:A:LEU:HD23	1:372:A:ASP:H	10	0.26
(1,435)	1:372:A:ASP:H	1:375:A:ARG:H	9	0.26
(1,435)	1:372:A:ASP:H	1:375:A:ARG:H	16	0.26
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	18	0.26
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	20	0.26
(1,382)	1:417:A:ASN:H	1:418:A:ARG:HB2	20	0.26
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	15	0.26
(1,369)	1:463:A:SER:HB3	1:464:A:SER:H	12	0.26
(1,369)	1:463:A:SER:HB3	1:464:A:SER:H	16	0.26
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	4	0.26
(1,338)	1:422:A:VAL:H	1:436:A:LEU:H	11	0.26
(1,308)	1:400:A:VAL:HB	1:424:A:THR:H	14	0.26
(1,287)	1:405:A:GLU:HB3	1:407:A:LYS:H	17	0.26
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	8	0.26
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	8	0.26
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	16	0.26
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	14	0.26
(1,198)	1:405:A:GLU:HA	1:408:A:THR:H	20	0.26
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	5	0.26
(1,176)	1:365:A:GLY:H	1:366:A:ASN:H	8	0.26
(1,175)	1:362:A:ASN:HD21	1:366:A:ASN:H	20	0.26
(1,175)	1:362:A:ASN:HD22	1:366:A:ASN:H	20	0.26
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	7	0.26
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	16	0.26
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	17	0.26
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	17	0.26
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	17	0.26
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	11	0.26
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	18	0.26
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG21	14	0.26
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG22	14	0.26
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG23	14	0.26
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	14	0.26
(1,55)	1:418:A:ARG:HB3	1:420:A:GLY:H	12	0.26
(1,37)	1:419:A:GLY:H	1:435:A:GLN:HG2	18	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG2	2	0.26
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG3	2	0.26
(1,3163)	1:463:A:SER:HA	1:464:A:SER:HB2	6	0.25
(1,3163)	1:463:A:SER:HA	1:464:A:SER:HB3	6	0.25
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD11	6	0.25
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD12	6	0.25
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD13	6	0.25
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD21	6	0.25
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD22	6	0.25
(1,3120)	1:455:A:SER:HB2	1:456:A:LEU:HD23	6	0.25
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD11	6	0.25
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD12	6	0.25
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD13	6	0.25
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD21	6	0.25
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD22	6	0.25
(1,3120)	1:455:A:SER:HB3	1:456:A:LEU:HD23	6	0.25
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	1	0.25
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	1	0.25
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	1	0.25
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	1	0.25
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	1	0.25
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	1	0.25
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	4	0.25
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	4	0.25
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	4	0.25
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	4	0.25
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	4	0.25
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	4	0.25
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	9	0.25
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	9	0.25
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	12	0.25
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	12	0.25
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG2	17	0.25
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG3	17	0.25
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG2	20	0.25
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG3	20	0.25
(1,3056)	1:446:A:LEU:HB2	1:464:A:SER:H	19	0.25
(1,3056)	1:446:A:LEU:HB3	1:464:A:SER:H	19	0.25
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	11	0.25
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	11	0.25
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	11	0.25
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	11	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	11	0.25
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	11	0.25
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	11	0.25
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	11	0.25
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	11	0.25
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	11	0.25
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	11	0.25
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	11	0.25
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	11	0.25
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	11	0.25
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	11	0.25
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	11	0.25
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	11	0.25
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	11	0.25
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	16	0.25
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	16	0.25
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	16	0.25
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	16	0.25
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	16	0.25
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	16	0.25
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	16	0.25
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	16	0.25
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	16	0.25
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	16	0.25
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	16	0.25
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	16	0.25
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	16	0.25
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	16	0.25
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	16	0.25
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	16	0.25
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	16	0.25
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	16	0.25
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG11	9	0.25
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG12	9	0.25
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG13	9	0.25
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG21	9	0.25
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG22	9	0.25
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG23	9	0.25
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG11	9	0.25
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG12	9	0.25
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG13	9	0.25
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG21	9	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG22	9	0.25
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG23	9	0.25
(1,2925)	1:414:A:LYS:HG2	1:415:A:PRO:HA	6	0.25
(1,2925)	1:414:A:LYS:HG3	1:415:A:PRO:HA	6	0.25
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	20	0.25
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	20	0.25
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	20	0.25
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	20	0.25
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	20	0.25
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	20	0.25
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	3	0.25
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	3	0.25
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	3	0.25
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	3	0.25
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	3	0.25
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	3	0.25
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	3	0.25
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	3	0.25
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	3	0.25
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	3	0.25
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	3	0.25
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	3	0.25
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	3	0.25
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	3	0.25
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	3	0.25
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	3	0.25
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	3	0.25
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	3	0.25
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	1	0.25
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	1	0.25
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	1	0.25
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	1	0.25
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	1	0.25
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	1	0.25
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	17	0.25
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	17	0.25
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	17	0.25
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	17	0.25
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	17	0.25
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	17	0.25
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	4	0.25
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	4	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	4	0.25
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	4	0.25
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	4	0.25
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	4	0.25
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	10	0.25
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	10	0.25
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	10	0.25
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	10	0.25
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	10	0.25
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	10	0.25
(1,2847)	1:400:A:VAL:HG11	1:424:A:THR:HA	20	0.25
(1,2847)	1:400:A:VAL:HG12	1:424:A:THR:HA	20	0.25
(1,2847)	1:400:A:VAL:HG13	1:424:A:THR:HA	20	0.25
(1,2847)	1:400:A:VAL:HG21	1:424:A:THR:HA	20	0.25
(1,2847)	1:400:A:VAL:HG22	1:424:A:THR:HA	20	0.25
(1,2847)	1:400:A:VAL:HG23	1:424:A:THR:HA	20	0.25
(1,2828)	1:400:A:VAL:HG11	1:401:A:ASP:HA	11	0.25
(1,2828)	1:400:A:VAL:HG12	1:401:A:ASP:HA	11	0.25
(1,2828)	1:400:A:VAL:HG13	1:401:A:ASP:HA	11	0.25
(1,2828)	1:400:A:VAL:HG21	1:401:A:ASP:HA	11	0.25
(1,2828)	1:400:A:VAL:HG22	1:401:A:ASP:HA	11	0.25
(1,2828)	1:400:A:VAL:HG23	1:401:A:ASP:HA	11	0.25
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	16	0.25
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	16	0.25
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	16	0.25
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	16	0.25
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	16	0.25
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	16	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	6	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	6	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	6	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	6	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	6	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	6	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	6	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	6	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	6	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	6	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	6	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	6	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	6	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	6	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	6	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	6	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	6	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	6	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	16	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	16	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	16	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	16	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	16	0.25
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	16	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	16	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	16	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	16	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	16	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	16	0.25
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	16	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	16	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	16	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	16	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	16	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	16	0.25
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	16	0.25
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	14	0.25
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	14	0.25
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	14	0.25
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	14	0.25
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	14	0.25
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	14	0.25
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	11	0.25
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	11	0.25
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	11	0.25
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	11	0.25
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	11	0.25
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	11	0.25
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD2	17	0.25
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD3	17	0.25
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	2	0.25
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	2	0.25
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	2	0.25
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	2	0.25
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	2	0.25
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	2	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	18	0.25
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	18	0.25
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG11	12	0.25
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG12	12	0.25
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG13	12	0.25
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG21	12	0.25
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG22	12	0.25
(1,2586)	1:370:A:HIS:HA	1:409:A:VAL:HG23	12	0.25
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	3	0.25
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	3	0.25
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	9	0.25
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	9	0.25
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	9	0.25
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	9	0.25
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	9	0.25
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	9	0.25
(1,2506)	1:361:A:VAL:HG11	1:363:A:LYS:HD2	9	0.25
(1,2506)	1:361:A:VAL:HG11	1:363:A:LYS:HD3	9	0.25
(1,2506)	1:361:A:VAL:HG12	1:363:A:LYS:HD2	9	0.25
(1,2506)	1:361:A:VAL:HG12	1:363:A:LYS:HD3	9	0.25
(1,2506)	1:361:A:VAL:HG13	1:363:A:LYS:HD2	9	0.25
(1,2506)	1:361:A:VAL:HG13	1:363:A:LYS:HD3	9	0.25
(1,2506)	1:361:A:VAL:HG21	1:363:A:LYS:HD2	9	0.25
(1,2506)	1:361:A:VAL:HG21	1:363:A:LYS:HD3	9	0.25
(1,2506)	1:361:A:VAL:HG22	1:363:A:LYS:HD2	9	0.25
(1,2506)	1:361:A:VAL:HG22	1:363:A:LYS:HD3	9	0.25
(1,2506)	1:361:A:VAL:HG23	1:363:A:LYS:HD2	9	0.25
(1,2506)	1:361:A:VAL:HG23	1:363:A:LYS:HD3	9	0.25
(1,2464)	1:359:A:VAL:HG11	1:383:A:PHE:HA	6	0.25
(1,2464)	1:359:A:VAL:HG12	1:383:A:PHE:HA	6	0.25
(1,2464)	1:359:A:VAL:HG13	1:383:A:PHE:HA	6	0.25
(1,2464)	1:359:A:VAL:HG21	1:383:A:PHE:HA	6	0.25
(1,2464)	1:359:A:VAL:HG22	1:383:A:PHE:HA	6	0.25
(1,2464)	1:359:A:VAL:HG23	1:383:A:PHE:HA	6	0.25
(1,2464)	1:359:A:VAL:HG11	1:383:A:PHE:HA	16	0.25
(1,2464)	1:359:A:VAL:HG12	1:383:A:PHE:HA	16	0.25
(1,2464)	1:359:A:VAL:HG13	1:383:A:PHE:HA	16	0.25
(1,2464)	1:359:A:VAL:HG21	1:383:A:PHE:HA	16	0.25
(1,2464)	1:359:A:VAL:HG22	1:383:A:PHE:HA	16	0.25
(1,2464)	1:359:A:VAL:HG23	1:383:A:PHE:HA	16	0.25
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD11	2	0.25
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD12	2	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD13	2	0.25
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD21	2	0.25
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD22	2	0.25
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD23	2	0.25
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	19	0.25
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	19	0.25
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	19	0.25
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	19	0.25
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	19	0.25
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	19	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	7	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	7	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	7	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	7	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	7	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	7	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	11	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	11	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	11	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	11	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	11	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	11	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	19	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	19	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	19	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	19	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	19	0.25
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	19	0.25
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	6	0.25
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	5	0.25
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	5	0.25
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	5	0.25
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	2	0.25
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	20	0.25
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	5	0.25
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	8	0.25
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	9	0.25
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	16	0.25
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	12	0.25
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	4	0.25
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	2	0.25
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	7	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	10	0.25
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	6	0.25
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	6	0.25
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	6	0.25
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	13	0.25
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	13	0.25
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	13	0.25
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	20	0.25
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	20	0.25
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	20	0.25
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	20	0.25
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	20	0.25
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	20	0.25
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	20	0.25
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	20	0.25
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	20	0.25
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	4	0.25
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	4	0.25
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	4	0.25
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	4	0.25
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	4	0.25
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	4	0.25
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	12	0.25
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	12	0.25
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	12	0.25
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	12	0.25
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	12	0.25
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	12	0.25
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	1	0.25
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	14	0.25
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	18	0.25
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	9	0.25
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	9	0.25
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	9	0.25
(1,2236)	1:400:A:VAL:HA	1:403:A:ALA:HA	12	0.25
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	16	0.25
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	16	0.25
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	16	0.25
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	20	0.25
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	20	0.25
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	20	0.25
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	8	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:417:A:ASN:HA	1:418:A:ARG:HA	8	0.25
(1,2213)	1:451:A:ASN:HA	1:453:A:CYS:H	1	0.25
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	18	0.25
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	18	0.25
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	18	0.25
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	18	0.25
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	18	0.25
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	18	0.25
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB1	20	0.25
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB2	20	0.25
(1,2190)	1:406:A:THR:HA	1:425:A:ALA:HB3	20	0.25
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	17	0.25
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	17	0.25
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	17	0.25
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	4	0.25
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	15	0.25
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD11	13	0.25
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD12	13	0.25
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD13	13	0.25
(1,1970)	1:395:A:ILE:HA	1:462:A:LEU:HG	11	0.25
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG2	8	0.25
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG3	8	0.25
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	7	0.25
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	7	0.25
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	8	0.25
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	16	0.25
(1,1940)	1:447:A:ARG:HA	1:450:A:GLU:HB3	7	0.25
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	17	0.25
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	17	0.25
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	17	0.25
(1,1927)	1:371:A:LEU:HD21	1:402:A:CYS:H	10	0.25
(1,1927)	1:371:A:LEU:HD22	1:402:A:CYS:H	10	0.25
(1,1927)	1:371:A:LEU:HD23	1:402:A:CYS:H	10	0.25
(1,1902)	1:400:A:VAL:HG21	1:410:A:PHE:H	6	0.25
(1,1902)	1:400:A:VAL:HG22	1:410:A:PHE:H	6	0.25
(1,1902)	1:400:A:VAL:HG23	1:410:A:PHE:H	6	0.25
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	1	0.25
(1,1895)	1:400:A:VAL:HA	1:402:A:CYS:H	5	0.25
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	2	0.25
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	8	0.25
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	19	0.25
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	1	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	1	0.25
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	2	0.25
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	19	0.25
(1,1873)	1:448:A:PHE:HA	1:451:A:ASN:H	19	0.25
(1,1857)	1:409:A:VAL:HG21	1:412:A:TYR:H	4	0.25
(1,1857)	1:409:A:VAL:HG22	1:412:A:TYR:H	4	0.25
(1,1857)	1:409:A:VAL:HG23	1:412:A:TYR:H	4	0.25
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	1	0.25
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	6	0.25
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	16	0.25
(1,1830)	1:396:A:VAL:HA	1:423:A:ILE:HG13	17	0.25
(1,1769)	1:445:A:ALA:HA	1:446:A:LEU:HD21	12	0.25
(1,1769)	1:445:A:ALA:HA	1:446:A:LEU:HD22	12	0.25
(1,1769)	1:445:A:ALA:HA	1:446:A:LEU:HD23	12	0.25
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	19	0.25
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	19	0.25
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	16	0.25
(1,1581)	1:380:A:PRO:HG3	1:382:A:HIS:H	19	0.25
(1,1580)	1:379:A:LEU:HD11	1:380:A:PRO:HD2	5	0.25
(1,1580)	1:379:A:LEU:HD12	1:380:A:PRO:HD2	5	0.25
(1,1580)	1:379:A:LEU:HD13	1:380:A:PRO:HD2	5	0.25
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	4	0.25
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	11	0.25
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	18	0.25
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	4	0.25
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	12	0.25
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	19	0.25
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	9	0.25
(1,1457)	1:434:A:ILE:HG21	1:434:A:ILE:HD11	17	0.25
(1,1457)	1:434:A:ILE:HG21	1:434:A:ILE:HD12	17	0.25
(1,1457)	1:434:A:ILE:HG21	1:434:A:ILE:HD13	17	0.25
(1,1457)	1:434:A:ILE:HG22	1:434:A:ILE:HD11	17	0.25
(1,1457)	1:434:A:ILE:HG22	1:434:A:ILE:HD12	17	0.25
(1,1457)	1:434:A:ILE:HG22	1:434:A:ILE:HD13	17	0.25
(1,1457)	1:434:A:ILE:HG23	1:434:A:ILE:HD11	17	0.25
(1,1457)	1:434:A:ILE:HG23	1:434:A:ILE:HD12	17	0.25
(1,1457)	1:434:A:ILE:HG23	1:434:A:ILE:HD13	17	0.25
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	6	0.25
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	6	0.25
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	6	0.25
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	11	0.25
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	11	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	11	0.25
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	18	0.25
(1,1407)	1:426:A:SER:HA	1:430:A:GLU:H	1	0.25
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	15	0.25
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	18	0.25
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	2	0.25
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	2	0.25
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	2	0.25
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	15	0.25
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	3	0.25
(1,1196)	1:366:A:ASN:H	1:461:A:LEU:HA	14	0.25
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	18	0.25
(1,1174)	1:363:A:LYS:HE2	1:377:A:GLN:HA	5	0.25
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	13	0.25
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	2	0.25
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	14	0.25
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	20	0.25
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	2	0.25
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	20	0.25
(1,1100)	1:425:A:ALA:HA	1:432:A:HIS:H	7	0.25
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	12	0.25
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	15	0.25
(1,1064)	1:395:A:ILE:HG21	1:449:A:LEU:H	19	0.25
(1,1064)	1:395:A:ILE:HG22	1:449:A:LEU:H	19	0.25
(1,1064)	1:395:A:ILE:HG23	1:449:A:LEU:H	19	0.25
(1,1064)	1:395:A:ILE:HG21	1:449:A:LEU:H	20	0.25
(1,1064)	1:395:A:ILE:HG22	1:449:A:LEU:H	20	0.25
(1,1064)	1:395:A:ILE:HG23	1:449:A:LEU:H	20	0.25
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	4	0.25
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	12	0.25
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	3	0.25
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	14	0.25
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD21	2	0.25
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD22	2	0.25
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD21	20	0.25
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD22	20	0.25
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	11	0.25
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	7	0.25
(1,922)	1:405:A:GLU:HB3	1:408:A:THR:H	13	0.25
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	4	0.25
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	4	0.25
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	4	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	8	0.25
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	8	0.25
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	8	0.25
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	20	0.25
(1,883)	1:357:A:VAL:H	1:384:A:GLY:HA3	14	0.25
(1,854)	1:387:A:PRO:HA	1:390:A:VAL:H	17	0.25
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	1	0.25
(1,804)	1:360:A:TYR:HA	1:382:A:HIS:H	12	0.25
(1,787)	1:377:A:GLN:H	1:378:A:GLN:HG2	1	0.25
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	10	0.25
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	10	0.25
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	10	0.25
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	16	0.25
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	16	0.25
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	16	0.25
(1,744)	1:358:A:CYS:H	1:385:A:PRO:HA	4	0.25
(1,744)	1:358:A:CYS:H	1:385:A:PRO:HA	12	0.25
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	14	0.25
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	9	0.25
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	10	0.25
(1,695)	1:359:A:VAL:H	1:386:A:GLY:H	8	0.25
(1,660)	1:363:A:LYS:H	1:363:A:LYS:HB3	4	0.25
(1,647)	1:406:A:THR:HG21	1:425:A:ALA:H	17	0.25
(1,647)	1:406:A:THR:HG22	1:425:A:ALA:H	17	0.25
(1,647)	1:406:A:THR:HG23	1:425:A:ALA:H	17	0.25
(1,633)	1:359:A:VAL:HA	1:465:A:GLN:H	3	0.25
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	12	0.25
(1,614)	1:444:A:PHE:H	1:446:A:LEU:H	14	0.25
(1,601)	1:439:A:VAL:HG11	1:445:A:ALA:H	17	0.25
(1,601)	1:439:A:VAL:HG12	1:445:A:ALA:H	17	0.25
(1,601)	1:439:A:VAL:HG13	1:445:A:ALA:H	17	0.25
(1,492)	1:397:A:GLN:HB3	1:398:A:ALA:H	20	0.25
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	12	0.25
(1,460)	1:396:A:VAL:H	1:449:A:LEU:HB3	8	0.25
(1,454)	1:392:A:LEU:HD11	1:448:A:PHE:H	8	0.25
(1,454)	1:392:A:LEU:HD12	1:448:A:PHE:H	8	0.25
(1,454)	1:392:A:LEU:HD13	1:448:A:PHE:H	8	0.25
(1,435)	1:372:A:ASP:H	1:375:A:ARG:H	12	0.25
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	14	0.25
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	12	0.25
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	16	0.25
(1,366)	1:466:A:PRO:HB2	1:467:A:PHE:H	19	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	5	0.25
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	15	0.25
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	17	0.25
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	1	0.25
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	3	0.25
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	14	0.25
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	9	0.25
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	19	0.25
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	19	0.25
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	19	0.25
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	19	0.25
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	15	0.25
(1,237)	1:430:A:GLU:H	1:430:A:GLU:HG2	2	0.25
(1,237)	1:430:A:GLU:H	1:430:A:GLU:HG3	2	0.25
(1,232)	1:410:A:PHE:HA	1:412:A:TYR:H	20	0.25
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	14	0.25
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	20	0.25
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	18	0.25
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	7	0.25
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	12	0.25
(1,204)	1:389:A:ASN:HB2	1:393:A:ARG:H	9	0.25
(1,204)	1:389:A:ASN:HB3	1:393:A:ARG:H	9	0.25
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	15	0.25
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	15	0.25
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	15	0.25
(1,180)	1:399:A:CYS:HA	1:402:A:CYS:H	12	0.25
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	15	0.25
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	13	0.25
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	13	0.25
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	2	0.25
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	19	0.25
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	19	0.25
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	19	0.25
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	13	0.25
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	2	0.25
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	8	0.25
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	19	0.25
(1,21)	1:368:A:GLY:H	1:371:A:LEU:HG	10	0.25
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	8	0.25
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	2	0.25
(1,3165)	1:463:A:SER:HB2	1:465:A:GLN:HB2	10	0.24
(1,3165)	1:463:A:SER:HB2	1:465:A:GLN:HB3	10	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3165)	1:463:A:SER:HB3	1:465:A:GLN:HB2	10	0.24
(1,3165)	1:463:A:SER:HB3	1:465:A:GLN:HB3	10	0.24
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD11	17	0.24
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD12	17	0.24
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD13	17	0.24
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD21	17	0.24
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD22	17	0.24
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD23	17	0.24
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB2	3	0.24
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB3	3	0.24
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG2	2	0.24
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG3	2	0.24
(1,3056)	1:446:A:LEU:HB2	1:464:A:SER:H	5	0.24
(1,3056)	1:446:A:LEU:HB3	1:464:A:SER:H	5	0.24
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	4	0.24
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	4	0.24
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	4	0.24
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	4	0.24
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	4	0.24
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	4	0.24
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	4	0.24
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	4	0.24
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	4	0.24
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	4	0.24
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	4	0.24
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	4	0.24
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	4	0.24
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	4	0.24
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	4	0.24
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	4	0.24
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	4	0.24
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	4	0.24
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	14	0.24
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	14	0.24
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	6	0.24
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	6	0.24
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	11	0.24
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	11	0.24
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	20	0.24
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	20	0.24
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	2	0.24
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	2	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	2	0.24
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	2	0.24
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	2	0.24
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	2	0.24
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	12	0.24
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	12	0.24
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	12	0.24
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	12	0.24
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	12	0.24
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	12	0.24
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	8	0.24
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	8	0.24
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	8	0.24
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	8	0.24
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	8	0.24
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	8	0.24
(1,2850)	1:400:A:VAL:HG11	1:426:A:SER:H	8	0.24
(1,2850)	1:400:A:VAL:HG12	1:426:A:SER:H	8	0.24
(1,2850)	1:400:A:VAL:HG13	1:426:A:SER:H	8	0.24
(1,2850)	1:400:A:VAL:HG21	1:426:A:SER:H	8	0.24
(1,2850)	1:400:A:VAL:HG22	1:426:A:SER:H	8	0.24
(1,2850)	1:400:A:VAL:HG23	1:426:A:SER:H	8	0.24
(1,2850)	1:400:A:VAL:HG11	1:426:A:SER:H	9	0.24
(1,2850)	1:400:A:VAL:HG12	1:426:A:SER:H	9	0.24
(1,2850)	1:400:A:VAL:HG13	1:426:A:SER:H	9	0.24
(1,2850)	1:400:A:VAL:HG21	1:426:A:SER:H	9	0.24
(1,2850)	1:400:A:VAL:HG22	1:426:A:SER:H	9	0.24
(1,2850)	1:400:A:VAL:HG23	1:426:A:SER:H	9	0.24
(1,2848)	1:400:A:VAL:HG11	1:425:A:ALA:HA	15	0.24
(1,2848)	1:400:A:VAL:HG12	1:425:A:ALA:HA	15	0.24
(1,2848)	1:400:A:VAL:HG13	1:425:A:ALA:HA	15	0.24
(1,2848)	1:400:A:VAL:HG21	1:425:A:ALA:HA	15	0.24
(1,2848)	1:400:A:VAL:HG22	1:425:A:ALA:HA	15	0.24
(1,2848)	1:400:A:VAL:HG23	1:425:A:ALA:HA	15	0.24
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	6	0.24
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	6	0.24
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	6	0.24
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	6	0.24
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	6	0.24
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	6	0.24
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	12	0.24
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	12	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	12	0.24
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	12	0.24
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	12	0.24
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	12	0.24
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	13	0.24
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	13	0.24
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	13	0.24
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	13	0.24
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	13	0.24
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	13	0.24
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	13	0.24
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	13	0.24
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	13	0.24
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	13	0.24
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	13	0.24
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	13	0.24
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	13	0.24
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	13	0.24
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	13	0.24
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	13	0.24
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	13	0.24
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	13	0.24
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	17	0.24
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	17	0.24
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	17	0.24
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	17	0.24
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	17	0.24
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	17	0.24
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	17	0.24
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	17	0.24
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	17	0.24
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	17	0.24
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	17	0.24
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	17	0.24
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	17	0.24
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	17	0.24
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	17	0.24
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	17	0.24
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	17	0.24
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	17	0.24
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	4	0.24
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	4	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	4	0.24
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	4	0.24
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	4	0.24
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	4	0.24
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	18	0.24
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	18	0.24
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	18	0.24
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	18	0.24
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	18	0.24
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	18	0.24
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	14	0.24
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	14	0.24
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	14	0.24
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	14	0.24
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	14	0.24
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	14	0.24
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	16	0.24
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	16	0.24
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	16	0.24
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	16	0.24
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	16	0.24
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	16	0.24
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG11	8	0.24
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG12	8	0.24
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG13	8	0.24
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG21	8	0.24
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG22	8	0.24
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG23	8	0.24
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG11	18	0.24
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG12	18	0.24
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG13	18	0.24
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG21	18	0.24
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG22	18	0.24
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG23	18	0.24
(1,2626)	1:372:A:ASP:HB2	1:376:A:ILE:H	3	0.24
(1,2626)	1:372:A:ASP:HB3	1:376:A:ILE:H	3	0.24
(1,2626)	1:372:A:ASP:HB2	1:376:A:ILE:H	7	0.24
(1,2626)	1:372:A:ASP:HB3	1:376:A:ILE:H	7	0.24
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	12	0.24
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	12	0.24
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	20	0.24
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	20	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	6	0.24
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	6	0.24
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	17	0.24
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	17	0.24
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	16	0.24
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	16	0.24
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	16	0.24
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	16	0.24
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	16	0.24
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	16	0.24
(1,2460)	1:359:A:VAL:HG11	1:360:A:TYR:H	12	0.24
(1,2460)	1:359:A:VAL:HG12	1:360:A:TYR:H	12	0.24
(1,2460)	1:359:A:VAL:HG13	1:360:A:TYR:H	12	0.24
(1,2460)	1:359:A:VAL:HG21	1:360:A:TYR:H	12	0.24
(1,2460)	1:359:A:VAL:HG22	1:360:A:TYR:H	12	0.24
(1,2460)	1:359:A:VAL:HG23	1:360:A:TYR:H	12	0.24
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD11	6	0.24
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD12	6	0.24
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD13	6	0.24
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD21	6	0.24
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD22	6	0.24
(1,2459)	1:359:A:VAL:HB	1:462:A:LEU:HD23	6	0.24
(1,2456)	1:359:A:VAL:HA	1:463:A:SER:HB2	13	0.24
(1,2456)	1:359:A:VAL:HA	1:463:A:SER:HB3	13	0.24
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB2	17	0.24
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB3	17	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	3	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	3	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	3	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	3	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	3	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	3	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	13	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	13	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	13	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	13	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	13	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	13	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	14	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	14	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	14	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	14	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	14	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	14	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	15	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	15	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	15	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	15	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	15	0.24
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	15	0.24
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	4	0.24
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	11	0.24
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	8	0.24
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	18	0.24
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	16	0.24
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	14	0.24
(1,2316)	1:357:A:VAL:HA	1:385:A:PRO:HB3	5	0.24
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	2	0.24
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	2	0.24
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	2	0.24
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	15	0.24
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	15	0.24
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	15	0.24
(1,2308)	1:359:A:VAL:HG21	1:383:A:PHE:HD1	20	0.24
(1,2308)	1:359:A:VAL:HG22	1:383:A:PHE:HD1	20	0.24
(1,2308)	1:359:A:VAL:HG23	1:383:A:PHE:HD1	20	0.24
(1,2308)	1:359:A:VAL:HG11	1:383:A:PHE:HD1	20	0.24
(1,2308)	1:359:A:VAL:HG12	1:383:A:PHE:HD1	20	0.24
(1,2308)	1:359:A:VAL:HG13	1:383:A:PHE:HD1	20	0.24
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	2	0.24
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	15	0.24
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	12	0.24
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	12	0.24
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	12	0.24
(1,2079)	1:358:A:CYS:HA	1:385:A:PRO:HB3	5	0.24
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	6	0.24
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	9	0.24
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	19	0.24
(1,1977)	1:395:A:ILE:HA	1:398:A:ALA:H	4	0.24
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG2	7	0.24
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG3	7	0.24
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG2	12	0.24
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG3	12	0.24
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	7	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1918)	1:379:A:LEU:HD11	1:380:A:PRO:HG3	10	0.24
(1,1918)	1:379:A:LEU:HD12	1:380:A:PRO:HG3	10	0.24
(1,1918)	1:379:A:LEU:HD13	1:380:A:PRO:HG3	10	0.24
(1,1904)	1:400:A:VAL:HG11	1:402:A:CYS:H	11	0.24
(1,1904)	1:400:A:VAL:HG12	1:402:A:CYS:H	11	0.24
(1,1904)	1:400:A:VAL:HG13	1:402:A:CYS:H	11	0.24
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	10	0.24
(1,1895)	1:400:A:VAL:HA	1:402:A:CYS:H	19	0.24
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	8	0.24
(1,1873)	1:448:A:PHE:HA	1:451:A:ASN:H	4	0.24
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	4	0.24
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	4	0.24
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	4	0.24
(1,1830)	1:396:A:VAL:HA	1:423:A:ILE:HG13	15	0.24
(1,1824)	1:396:A:VAL:HA	1:399:A:CYS:H	5	0.24
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	14	0.24
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	14	0.24
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	14	0.24
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	18	0.24
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	18	0.24
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	18	0.24
(1,1791)	1:406:A:THR:HA	1:407:A:LYS:HG2	11	0.24
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	10	0.24
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	10	0.24
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	10	0.24
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	11	0.24
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	13	0.24
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	13	0.24
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	2	0.24
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	4	0.24
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	5	0.24
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	17	0.24
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	14	0.24
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	15	0.24
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	3	0.24
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	3	0.24
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	3	0.24
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	8	0.24
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	8	0.24
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	8	0.24
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	18	0.24
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	18	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	18	0.24
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	12	0.24
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	12	0.24
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	12	0.24
(1,1431)	1:426:A:SER:HA	1:431:A:THR:HG21	14	0.24
(1,1431)	1:426:A:SER:HA	1:431:A:THR:HG22	14	0.24
(1,1431)	1:426:A:SER:HA	1:431:A:THR:HG23	14	0.24
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG2	20	0.24
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG3	20	0.24
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	7	0.24
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	7	0.24
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	7	0.24
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	17	0.24
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	15	0.24
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	10	0.24
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	10	0.24
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	10	0.24
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	11	0.24
(1,1146)	1:400:A:VAL:HG21	1:410:A:PHE:HA	4	0.24
(1,1146)	1:400:A:VAL:HG22	1:410:A:PHE:HA	4	0.24
(1,1146)	1:400:A:VAL:HG23	1:410:A:PHE:HA	4	0.24
(1,1135)	1:462:A:LEU:HD11	1:463:A:SER:H	13	0.24
(1,1135)	1:462:A:LEU:HD12	1:463:A:SER:H	13	0.24
(1,1135)	1:462:A:LEU:HD13	1:463:A:SER:H	13	0.24
(1,1135)	1:462:A:LEU:HD11	1:463:A:SER:H	18	0.24
(1,1135)	1:462:A:LEU:HD12	1:463:A:SER:H	18	0.24
(1,1135)	1:462:A:LEU:HD13	1:463:A:SER:H	18	0.24
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	4	0.24
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	4	0.24
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	16	0.24
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	3	0.24
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	10	0.24
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	19	0.24
(1,1095)	1:421:A:GLU:H	1:437:A:PRO:HD2	17	0.24
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	6	0.24
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	13	0.24
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	1	0.24
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	15	0.24
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	4	0.24
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	17	0.24
(1,1045)	1:357:A:VAL:H	1:386:A:GLY:HA2	5	0.24
(1,1034)	1:369:A:PRO:HB2	1:371:A:LEU:H	6	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	15	0.24
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	17	0.24
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	6	0.24
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	14	0.24
(1,934)	1:466:A:PRO:HG2	1:467:A:PHE:H	2	0.24
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	3	0.24
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	3	0.24
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	3	0.24
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	11	0.24
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	11	0.24
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	11	0.24
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD2	18	0.24
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD3	18	0.24
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	2	0.24
(1,903)	1:354:A:MET:HB2	1:441:A:SER:H	9	0.24
(1,903)	1:354:A:MET:HB3	1:441:A:SER:H	9	0.24
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	2	0.24
(1,883)	1:357:A:VAL:H	1:384:A:GLY:HA3	5	0.24
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	15	0.24
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	3	0.24
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	3	0.24
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	3	0.24
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	20	0.24
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	20	0.24
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	20	0.24
(1,812)	1:363:A:LYS:HB3	1:365:A:GLY:H	1	0.24
(1,810)	1:380:A:PRO:HG2	1:382:A:HIS:H	11	0.24
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	15	0.24
(1,804)	1:360:A:TYR:HA	1:382:A:HIS:H	15	0.24
(1,795)	1:378:A:GLN:H	1:379:A:LEU:HG	10	0.24
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	10	0.24
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	10	0.24
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	10	0.24
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	16	0.24
(1,740)	1:360:A:TYR:H	1:360:A:TYR:HD1	6	0.24
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	1	0.24
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	12	0.24
(1,713)	1:397:A:GLN:HB3	1:423:A:ILE:H	7	0.24
(1,702)	1:424:A:THR:HB	1:432:A:HIS:H	9	0.24
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	8	0.24
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	8	0.24
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	8	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:406:A:THR:HG21	1:425:A:ALA:H	9	0.24
(1,647)	1:406:A:THR:HG22	1:425:A:ALA:H	9	0.24
(1,647)	1:406:A:THR:HG23	1:425:A:ALA:H	9	0.24
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	11	0.24
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	13	0.24
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	15	0.24
(1,629)	1:360:A:TYR:H	1:465:A:GLN:H	3	0.24
(1,629)	1:360:A:TYR:H	1:465:A:GLN:H	19	0.24
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	6	0.24
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	6	0.24
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	10	0.24
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB2	3	0.24
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB3	3	0.24
(1,614)	1:444:A:PHE:H	1:446:A:LEU:H	16	0.24
(1,601)	1:439:A:VAL:HG11	1:445:A:ALA:H	13	0.24
(1,601)	1:439:A:VAL:HG12	1:445:A:ALA:H	13	0.24
(1,601)	1:439:A:VAL:HG13	1:445:A:ALA:H	13	0.24
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	19	0.24
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD2	2	0.24
(1,573)	1:447:A:ARG:H	1:447:A:ARG:HD3	2	0.24
(1,557)	1:455:A:SER:H	1:456:A:LEU:HG	2	0.24
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	18	0.24
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	9	0.24
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	10	0.24
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	12	0.24
(1,497)	1:395:A:ILE:HD11	1:398:A:ALA:H	2	0.24
(1,497)	1:395:A:ILE:HD12	1:398:A:ALA:H	2	0.24
(1,497)	1:395:A:ILE:HD13	1:398:A:ALA:H	2	0.24
(1,492)	1:397:A:GLN:HB3	1:398:A:ALA:H	14	0.24
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	6	0.24
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	13	0.24
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	10	0.24
(1,478)	1:359:A:VAL:HA	1:361:A:VAL:H	17	0.24
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	10	0.24
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG2	1	0.24
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG3	1	0.24
(1,338)	1:422:A:VAL:H	1:436:A:LEU:H	14	0.24
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	13	0.24
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	19	0.24
(1,274)	1:446:A:LEU:H	1:448:A:PHE:HB2	14	0.24
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	13	0.24
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	20	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	2	0.24
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	10	0.24
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	2	0.24
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	11	0.24
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	11	0.24
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	11	0.24
(1,180)	1:399:A:CYS:HA	1:402:A:CYS:H	19	0.24
(1,163)	1:399:A:CYS:H	1:401:A:ASP:H	12	0.24
(1,158)	1:374:A:LYS:H	1:375:A:ARG:HA	10	0.24
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	13	0.24
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	13	0.24
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	13	0.24
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	17	0.24
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	17	0.24
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	17	0.24
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	1	0.24
(1,77)	1:462:A:LEU:HG	1:463:A:SER:H	16	0.24
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG2	10	0.24
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG3	10	0.24
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	15	0.24
(1,13)	1:408:A:THR:H	1:411:A:GLY:H	12	0.24
(1,3170)	1:465:A:GLN:H	1:465:A:GLN:HB2	18	0.23
(1,3170)	1:465:A:GLN:H	1:465:A:GLN:HB3	18	0.23
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	1	0.23
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	1	0.23
(1,3163)	1:463:A:SER:HA	1:464:A:SER:HB2	3	0.23
(1,3163)	1:463:A:SER:HA	1:464:A:SER:HB3	3	0.23
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	14	0.23
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	14	0.23
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	9	0.23
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	9	0.23
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	18	0.23
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	18	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	8	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	8	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	8	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	8	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	8	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	8	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	9	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	9	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	9	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	9	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	9	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	9	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	14	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	14	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	14	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	14	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	14	0.23
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	14	0.23
(1,3114)	1:453:A:CYS:HB2	1:459:A:ASP:HA	5	0.23
(1,3114)	1:453:A:CYS:HB3	1:459:A:ASP:HA	5	0.23
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG2	13	0.23
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG3	13	0.23
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG2	5	0.23
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG3	5	0.23
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB2	10	0.23
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB3	10	0.23
(1,3056)	1:446:A:LEU:HB2	1:464:A:SER:H	10	0.23
(1,3056)	1:446:A:LEU:HB3	1:464:A:SER:H	10	0.23
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	19	0.23
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	19	0.23
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	19	0.23
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	19	0.23
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	19	0.23
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	19	0.23
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	19	0.23
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	19	0.23
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	19	0.23
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	19	0.23
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	19	0.23
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	19	0.23
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	19	0.23
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	19	0.23
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	19	0.23
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	19	0.23
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	19	0.23
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	19	0.23
(1,3036)	1:439:A:VAL:HG11	1:445:A:ALA:H	2	0.23
(1,3036)	1:439:A:VAL:HG12	1:445:A:ALA:H	2	0.23
(1,3036)	1:439:A:VAL:HG13	1:445:A:ALA:H	2	0.23
(1,3036)	1:439:A:VAL:HG21	1:445:A:ALA:H	2	0.23
(1,3036)	1:439:A:VAL:HG22	1:445:A:ALA:H	2	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3036)	1:439:A:VAL:HG23	1:445:A:ALA:H	2	0.23
(1,3036)	1:439:A:VAL:HG11	1:445:A:ALA:H	18	0.23
(1,3036)	1:439:A:VAL:HG12	1:445:A:ALA:H	18	0.23
(1,3036)	1:439:A:VAL:HG13	1:445:A:ALA:H	18	0.23
(1,3036)	1:439:A:VAL:HG21	1:445:A:ALA:H	18	0.23
(1,3036)	1:439:A:VAL:HG22	1:445:A:ALA:H	18	0.23
(1,3036)	1:439:A:VAL:HG23	1:445:A:ALA:H	18	0.23
(1,3033)	1:439:A:VAL:HG11	1:444:A:PHE:HA	12	0.23
(1,3033)	1:439:A:VAL:HG12	1:444:A:PHE:HA	12	0.23
(1,3033)	1:439:A:VAL:HG13	1:444:A:PHE:HA	12	0.23
(1,3033)	1:439:A:VAL:HG21	1:444:A:PHE:HA	12	0.23
(1,3033)	1:439:A:VAL:HG22	1:444:A:PHE:HA	12	0.23
(1,3033)	1:439:A:VAL:HG23	1:444:A:PHE:HA	12	0.23
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB2	9	0.23
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB3	9	0.23
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB2	9	0.23
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB3	9	0.23
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB2	9	0.23
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB3	9	0.23
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	15	0.23
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	15	0.23
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	8	0.23
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	8	0.23
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	8	0.23
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	8	0.23
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	8	0.23
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	8	0.23
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	4	0.23
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	4	0.23
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	18	0.23
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	18	0.23
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD11	10	0.23
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD12	10	0.23
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD13	10	0.23
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD21	10	0.23
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD22	10	0.23
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD23	10	0.23
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD11	9	0.23
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD12	9	0.23
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD13	9	0.23
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD21	9	0.23
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD22	9	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD23	9	0.23
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD11	16	0.23
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD12	16	0.23
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD13	16	0.23
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD21	16	0.23
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD22	16	0.23
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD23	16	0.23
(1,2950)	1:420:A:GLY:HA2	1:439:A:VAL:H	8	0.23
(1,2950)	1:420:A:GLY:HA3	1:439:A:VAL:H	8	0.23
(1,2943)	1:418:A:ARG:HD2	1:419:A:GLY:H	3	0.23
(1,2943)	1:418:A:ARG:HD3	1:419:A:GLY:H	3	0.23
(1,2940)	1:417:A:ASN:HB2	1:418:A:ARG:HA	19	0.23
(1,2940)	1:417:A:ASN:HB3	1:418:A:ARG:HA	19	0.23
(1,2936)	1:416:A:ASP:HB2	1:435:A:GLN:HA	15	0.23
(1,2936)	1:416:A:ASP:HB3	1:435:A:GLN:HA	15	0.23
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	3	0.23
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	3	0.23
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	19	0.23
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	19	0.23
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	1	0.23
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	1	0.23
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	16	0.23
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	16	0.23
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	16	0.23
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	16	0.23
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	16	0.23
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	16	0.23
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	19	0.23
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	19	0.23
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	19	0.23
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	19	0.23
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	19	0.23
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	19	0.23
(1,2879)	1:409:A:VAL:HA	1:412:A:TYR:HB2	9	0.23
(1,2879)	1:409:A:VAL:HA	1:412:A:TYR:HB3	9	0.23
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	4	0.23
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	4	0.23
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	4	0.23
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	4	0.23
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	4	0.23
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	4	0.23
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	4	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	4	0.23
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	4	0.23
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	4	0.23
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	4	0.23
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	4	0.23
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	4	0.23
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	4	0.23
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	4	0.23
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	4	0.23
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	4	0.23
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	4	0.23
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	8	0.23
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	8	0.23
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	8	0.23
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	8	0.23
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	8	0.23
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	8	0.23
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	8	0.23
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	8	0.23
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	8	0.23
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	8	0.23
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	8	0.23
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	8	0.23
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	8	0.23
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	8	0.23
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	8	0.23
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	8	0.23
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	8	0.23
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	8	0.23
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD11	13	0.23
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD12	13	0.23
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD13	13	0.23
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD21	13	0.23
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD22	13	0.23
(1,2863)	1:403:A:ALA:HB1	1:404:A:LEU:HD23	13	0.23
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD11	13	0.23
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD12	13	0.23
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD13	13	0.23
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD21	13	0.23
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD22	13	0.23
(1,2863)	1:403:A:ALA:HB2	1:404:A:LEU:HD23	13	0.23
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD11	13	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD12	13	0.23
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD13	13	0.23
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD21	13	0.23
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD22	13	0.23
(1,2863)	1:403:A:ALA:HB3	1:404:A:LEU:HD23	13	0.23
(1,2847)	1:400:A:VAL:HG11	1:424:A:THR:HA	9	0.23
(1,2847)	1:400:A:VAL:HG12	1:424:A:THR:HA	9	0.23
(1,2847)	1:400:A:VAL:HG13	1:424:A:THR:HA	9	0.23
(1,2847)	1:400:A:VAL:HG21	1:424:A:THR:HA	9	0.23
(1,2847)	1:400:A:VAL:HG22	1:424:A:THR:HA	9	0.23
(1,2847)	1:400:A:VAL:HG23	1:424:A:THR:HA	9	0.23
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	16	0.23
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	16	0.23
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	16	0.23
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	16	0.23
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	16	0.23
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	16	0.23
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	20	0.23
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	20	0.23
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	20	0.23
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	20	0.23
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	20	0.23
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	20	0.23
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	5	0.23
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	5	0.23
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	5	0.23
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	5	0.23
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	5	0.23
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	5	0.23
(1,2801)	1:396:A:VAL:HG11	1:424:A:THR:H	12	0.23
(1,2801)	1:396:A:VAL:HG12	1:424:A:THR:H	12	0.23
(1,2801)	1:396:A:VAL:HG13	1:424:A:THR:H	12	0.23
(1,2801)	1:396:A:VAL:HG21	1:424:A:THR:H	12	0.23
(1,2801)	1:396:A:VAL:HG22	1:424:A:THR:H	12	0.23
(1,2801)	1:396:A:VAL:HG23	1:424:A:THR:H	12	0.23
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	3	0.23
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	3	0.23
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	3	0.23
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	3	0.23
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	3	0.23
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	3	0.23
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	3	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	3	0.23
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	3	0.23
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	3	0.23
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	3	0.23
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	3	0.23
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	3	0.23
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	3	0.23
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	3	0.23
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	3	0.23
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	3	0.23
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	3	0.23
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	20	0.23
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	20	0.23
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	20	0.23
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	20	0.23
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	20	0.23
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	20	0.23
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	20	0.23
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	20	0.23
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	20	0.23
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	20	0.23
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	20	0.23
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	20	0.23
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	20	0.23
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	20	0.23
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	20	0.23
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	20	0.23
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	20	0.23
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	20	0.23
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	2	0.23
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	2	0.23
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	2	0.23
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	2	0.23
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	2	0.23
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	2	0.23
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	10	0.23
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	10	0.23
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	10	0.23
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	10	0.23
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	10	0.23
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	10	0.23
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	11	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	11	0.23
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	11	0.23
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	11	0.23
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	11	0.23
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	11	0.23
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	17	0.23
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	17	0.23
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	17	0.23
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	17	0.23
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	17	0.23
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	17	0.23
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG11	10	0.23
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG12	10	0.23
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG13	10	0.23
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG21	10	0.23
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG22	10	0.23
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG23	10	0.23
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	14	0.23
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	14	0.23
(1,2626)	1:372:A:ASP:HB2	1:376:A:ILE:H	5	0.23
(1,2626)	1:372:A:ASP:HB3	1:376:A:ILE:H	5	0.23
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD11	19	0.23
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD12	19	0.23
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD13	19	0.23
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD21	19	0.23
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD22	19	0.23
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD23	19	0.23
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	2	0.23
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	2	0.23
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	13	0.23
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	13	0.23
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	13	0.23
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	13	0.23
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	13	0.23
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	13	0.23
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	13	0.23
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	13	0.23
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	13	0.23
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	13	0.23
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	13	0.23
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	13	0.23
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	20	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	20	0.23
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	20	0.23
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	20	0.23
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	20	0.23
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	20	0.23
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	20	0.23
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	20	0.23
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	20	0.23
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	20	0.23
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	20	0.23
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	20	0.23
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	4	0.23
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	4	0.23
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	4	0.23
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	4	0.23
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	4	0.23
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	4	0.23
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	7	0.23
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	7	0.23
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	7	0.23
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	7	0.23
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	7	0.23
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	7	0.23
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	10	0.23
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	10	0.23
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	10	0.23
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	10	0.23
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	10	0.23
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	10	0.23
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	11	0.23
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	11	0.23
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	11	0.23
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	11	0.23
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	11	0.23
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	11	0.23
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	13	0.23
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	13	0.23
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	13	0.23
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	13	0.23
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	13	0.23
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	13	0.23
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	18	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	18	0.23
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	18	0.23
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	18	0.23
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	18	0.23
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	18	0.23
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD11	10	0.23
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD12	10	0.23
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD13	10	0.23
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD11	10	0.23
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD12	10	0.23
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD13	10	0.23
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD11	10	0.23
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD12	10	0.23
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD13	10	0.23
(1,2377)	1:376:A:ILE:HD11	1:377:A:GLN:HE21	4	0.23
(1,2377)	1:376:A:ILE:HD11	1:377:A:GLN:HE22	4	0.23
(1,2377)	1:376:A:ILE:HD12	1:377:A:GLN:HE21	4	0.23
(1,2377)	1:376:A:ILE:HD12	1:377:A:GLN:HE22	4	0.23
(1,2377)	1:376:A:ILE:HD13	1:377:A:GLN:HE21	4	0.23
(1,2377)	1:376:A:ILE:HD13	1:377:A:GLN:HE22	4	0.23
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	4	0.23
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	4	0.23
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	4	0.23
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	12	0.23
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	12	0.23
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	12	0.23
(1,2373)	1:376:A:ILE:HD11	1:399:A:CYS:HB2	12	0.23
(1,2373)	1:376:A:ILE:HD12	1:399:A:CYS:HB2	12	0.23
(1,2373)	1:376:A:ILE:HD13	1:399:A:CYS:HB2	12	0.23
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	13	0.23
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	2	0.23
(1,2347)	1:378:A:GLN:HA	1:379:A:LEU:HG	13	0.23
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	18	0.23
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	19	0.23
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	19	0.23
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	19	0.23
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD11	4	0.23
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD12	4	0.23
(1,2312)	1:359:A:VAL:HG11	1:395:A:ILE:HD13	4	0.23
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD11	4	0.23
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD12	4	0.23
(1,2312)	1:359:A:VAL:HG12	1:395:A:ILE:HD13	4	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD11	4	0.23
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD12	4	0.23
(1,2312)	1:359:A:VAL:HG13	1:395:A:ILE:HD13	4	0.23
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	11	0.23
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	5	0.23
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	5	0.23
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	7	0.23
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	10	0.23
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	11	0.23
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	12	0.23
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	11	0.23
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	11	0.23
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	11	0.23
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	20	0.23
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	20	0.23
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	20	0.23
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	20	0.23
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	20	0.23
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	20	0.23
(1,2199)	1:405:A:GLU:HA	1:407:A:LYS:HB3	4	0.23
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB1	18	0.23
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB2	18	0.23
(1,2165)	1:358:A:CYS:H	1:442:A:ALA:HB3	18	0.23
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	8	0.23
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	8	0.23
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	8	0.23
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	12	0.23
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	12	0.23
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	12	0.23
(1,2156)	1:366:A:ASN:HA	1:367:A:PHE:HD1	19	0.23
(1,2139)	1:372:A:ASP:H	1:375:A:ARG:HD2	16	0.23
(1,2137)	1:444:A:PHE:HA	1:447:A:ARG:HD2	1	0.23
(1,2137)	1:444:A:PHE:HA	1:447:A:ARG:HD3	1	0.23
(1,2136)	1:447:A:ARG:HD2	1:448:A:PHE:HB2	18	0.23
(1,2136)	1:447:A:ARG:HD3	1:448:A:PHE:HB2	18	0.23
(1,2112)	1:446:A:LEU:HD21	1:464:A:SER:HA	8	0.23
(1,2112)	1:446:A:LEU:HD22	1:464:A:SER:HA	8	0.23
(1,2112)	1:446:A:LEU:HD23	1:464:A:SER:HA	8	0.23
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	5	0.23
(1,2044)	1:449:A:LEU:H	1:450:A:GLU:HG3	14	0.23
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	2	0.23
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD11	4	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD12	4	0.23
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD13	4	0.23
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	5	0.23
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	19	0.23
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	19	0.23
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	7	0.23
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	20	0.23
(1,1940)	1:447:A:ARG:HA	1:450:A:GLU:HB3	3	0.23
(1,1927)	1:371:A:LEU:HD21	1:402:A:CYS:H	18	0.23
(1,1927)	1:371:A:LEU:HD22	1:402:A:CYS:H	18	0.23
(1,1927)	1:371:A:LEU:HD23	1:402:A:CYS:H	18	0.23
(1,1914)	1:367:A:PHE:HB2	1:371:A:LEU:HB3	4	0.23
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	2	0.23
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	12	0.23
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG3	18	0.23
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG2	18	0.23
(1,1871)	1:354:A:MET:HG2	1:440:A:ASN:HA	10	0.23
(1,1849)	1:408:A:THR:H	1:409:A:VAL:HA	10	0.23
(1,1819)	1:417:A:ASN:HA	1:418:A:ARG:HB2	16	0.23
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	15	0.23
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	15	0.23
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	15	0.23
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	7	0.23
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	7	0.23
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	7	0.23
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	11	0.23
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	11	0.23
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	11	0.23
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	17	0.23
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	11	0.23
(1,1629)	1:400:A:VAL:HB	1:401:A:ASP:HA	14	0.23
(1,1580)	1:379:A:LEU:HD11	1:380:A:PRO:HD2	19	0.23
(1,1580)	1:379:A:LEU:HD12	1:380:A:PRO:HD2	19	0.23
(1,1580)	1:379:A:LEU:HD13	1:380:A:PRO:HD2	19	0.23
(1,1529)	1:386:A:GLY:HA3	1:387:A:PRO:HG2	3	0.23
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	2	0.23
(1,1491)	1:387:A:PRO:HA	1:388:A:VAL:HB	7	0.23
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	17	0.23
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	17	0.23
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	17	0.23
(1,1438)	1:354:A:MET:HB2	1:440:A:ASN:H	3	0.23
(1,1438)	1:354:A:MET:HB3	1:440:A:ASN:H	3	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	17	0.23
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	17	0.23
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	17	0.23
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	20	0.23
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	20	0.23
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	20	0.23
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG2	1	0.23
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG3	1	0.23
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG2	17	0.23
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG3	17	0.23
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	3	0.23
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	4	0.23
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	5	0.23
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	2	0.23
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	10	0.23
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	17	0.23
(1,1328)	1:389:A:ASN:HB2	1:421:A:GLU:HA	17	0.23
(1,1328)	1:389:A:ASN:HB3	1:421:A:GLU:HA	17	0.23
(1,1294)	1:439:A:VAL:HG21	1:444:A:PHE:HD1	1	0.23
(1,1294)	1:439:A:VAL:HG22	1:444:A:PHE:HD1	1	0.23
(1,1294)	1:439:A:VAL:HG23	1:444:A:PHE:HD1	1	0.23
(1,1294)	1:439:A:VAL:HG21	1:444:A:PHE:HD1	4	0.23
(1,1294)	1:439:A:VAL:HG22	1:444:A:PHE:HD1	4	0.23
(1,1294)	1:439:A:VAL:HG23	1:444:A:PHE:HD1	4	0.23
(1,1282)	1:372:A:ASP:H	1:404:A:LEU:HA	11	0.23
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	5	0.23
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	14	0.23
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	2	0.23
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	20	0.23
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	12	0.23
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	1	0.23
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	16	0.23
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	4	0.23
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	1	0.23
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	2	0.23
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	14	0.23
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	6	0.23
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	3	0.23
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	3	0.23
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	3	0.23
(1,1147)	1:410:A:PHE:HA	1:423:A:ILE:HG21	19	0.23
(1,1147)	1:410:A:PHE:HA	1:423:A:ILE:HG22	19	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:410:A:PHE:HA	1:423:A:ILE:HG23	19	0.23
(1,1141)	1:467:A:PHE:HD1	1:468:A:SER:H	2	0.23
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	9	0.23
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	7	0.23
(1,1120)	1:446:A:LEU:HD21	1:465:A:GLN:HE21	2	0.23
(1,1120)	1:446:A:LEU:HD21	1:465:A:GLN:HE22	2	0.23
(1,1120)	1:446:A:LEU:HD22	1:465:A:GLN:HE21	2	0.23
(1,1120)	1:446:A:LEU:HD22	1:465:A:GLN:HE22	2	0.23
(1,1120)	1:446:A:LEU:HD23	1:465:A:GLN:HE21	2	0.23
(1,1120)	1:446:A:LEU:HD23	1:465:A:GLN:HE22	2	0.23
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB1	8	0.23
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB2	8	0.23
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB3	8	0.23
(1,1100)	1:425:A:ALA:HA	1:432:A:HIS:H	2	0.23
(1,1100)	1:425:A:ALA:HA	1:432:A:HIS:H	12	0.23
(1,1100)	1:425:A:ALA:HA	1:432:A:HIS:H	16	0.23
(1,1098)	1:421:A:GLU:HB2	1:436:A:LEU:H	2	0.23
(1,1095)	1:421:A:GLU:H	1:437:A:PRO:HD2	7	0.23
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	13	0.23
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	3	0.23
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	1	0.23
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	15	0.23
(1,1047)	1:388:A:VAL:HA	1:445:A:ALA:H	8	0.23
(1,1044)	1:386:A:GLY:HA3	1:391:A:VAL:H	9	0.23
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	1	0.23
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	1	0.23
(1,1028)	1:367:A:PHE:H	1:367:A:PHE:HD1	11	0.23
(1,1028)	1:367:A:PHE:H	1:367:A:PHE:HD1	13	0.23
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	20	0.23
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	6	0.23
(1,965)	1:360:A:TYR:H	1:382:A:HIS:HA	15	0.23
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	9	0.23
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	10	0.23
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	18	0.23
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	20	0.23
(1,932)	1:355:A:SER:H	1:388:A:VAL:H	16	0.23
(1,932)	1:355:A:SER:H	1:388:A:VAL:H	17	0.23
(1,932)	1:355:A:SER:H	1:388:A:VAL:H	19	0.23
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD2	17	0.23
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD3	17	0.23
(1,913)	1:374:A:LYS:H	1:376:A:ILE:HG12	14	0.23
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	5	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	16	0.23
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	1	0.23
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	1	0.23
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	1	0.23
(1,812)	1:363:A:LYS:HB3	1:365:A:GLY:H	19	0.23
(1,810)	1:380:A:PRO:HG2	1:382:A:HIS:H	14	0.23
(1,810)	1:380:A:PRO:HG2	1:382:A:HIS:H	17	0.23
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	17	0.23
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	12	0.23
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	18	0.23
(1,754)	1:400:A:VAL:HB	1:403:A:ALA:H	7	0.23
(1,744)	1:358:A:CYS:H	1:385:A:PRO:HA	14	0.23
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	18	0.23
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	11	0.23
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	1	0.23
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	18	0.23
(1,692)	1:359:A:VAL:H	1:385:A:PRO:HA	1	0.23
(1,666)	1:448:A:PHE:HA	1:452:A:PHE:H	12	0.23
(1,658)	1:363:A:LYS:H	1:364:A:HIS:HB2	2	0.23
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	1	0.23
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	7	0.23
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	2	0.23
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	8	0.23
(1,550)	1:451:A:ASN:HD21	1:454:A:HIS:H	10	0.23
(1,550)	1:451:A:ASN:HD22	1:454:A:HIS:H	10	0.23
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	6	0.23
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	6	0.23
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	11	0.23
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	11	0.23
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	11	0.23
(1,482)	1:361:A:VAL:H	1:382:A:HIS:H	15	0.23
(1,478)	1:359:A:VAL:HA	1:361:A:VAL:H	19	0.23
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	3	0.23
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	18	0.23
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	12	0.23
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	20	0.23
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG2	9	0.23
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG3	9	0.23
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	11	0.23
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	8	0.23
(1,286)	1:407:A:LYS:H	1:407:A:LYS:HD3	18	0.23
(1,240)	1:428:A:ASP:HA	1:430:A:GLU:H	11	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:428:A:ASP:HA	1:430:A:GLU:H	15	0.23
(1,232)	1:410:A:PHE:HA	1:412:A:TYR:H	18	0.23
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	3	0.23
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	11	0.23
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	4	0.23
(1,202)	1:390:A:VAL:HA	1:393:A:ARG:H	6	0.23
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE21	9	0.23
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE22	9	0.23
(1,189)	1:364:A:HIS:H	1:461:A:LEU:HA	4	0.23
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	18	0.23
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	3	0.23
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	9	0.23
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	8	0.23
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	8	0.23
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	12	0.23
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	12	0.23
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	10	0.23
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	10	0.23
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	10	0.23
(1,122)	1:449:A:LEU:HB2	1:453:A:CYS:H	8	0.23
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG21	15	0.23
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG22	15	0.23
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG23	15	0.23
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	16	0.23
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	11	0.23
(1,81)	1:370:A:HIS:H	1:371:A:LEU:HG	14	0.23
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	5	0.23
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	7	0.23
(1,55)	1:418:A:ARG:HB3	1:420:A:GLY:H	15	0.23
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	19	0.23
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	1	0.23
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	2	0.23
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	15	0.23
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	18	0.23
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	19	0.23
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	17	0.22
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	17	0.22
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	16	0.22
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	16	0.22
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	18	0.22
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	18	0.22
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	18	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	18	0.22
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	18	0.22
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	18	0.22
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	1	0.22
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	1	0.22
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG2	17	0.22
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG3	17	0.22
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	20	0.22
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	20	0.22
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	20	0.22
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	20	0.22
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	20	0.22
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	20	0.22
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	20	0.22
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	20	0.22
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	20	0.22
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	20	0.22
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	20	0.22
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	20	0.22
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	20	0.22
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	20	0.22
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	20	0.22
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	20	0.22
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	20	0.22
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	20	0.22
(1,3005)	1:432:A:HIS:HB2	1:433:A:SER:H	8	0.22
(1,3005)	1:432:A:HIS:HB3	1:433:A:SER:H	8	0.22
(1,3005)	1:432:A:HIS:HB2	1:433:A:SER:H	13	0.22
(1,3005)	1:432:A:HIS:HB3	1:433:A:SER:H	13	0.22
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB2	9	0.22
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB3	9	0.22
(1,2999)	1:430:A:GLU:HB2	1:431:A:THR:HB	3	0.22
(1,2999)	1:430:A:GLU:HB3	1:431:A:THR:HB	3	0.22
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	5	0.22
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	5	0.22
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	11	0.22
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	11	0.22
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB2	14	0.22
(1,2984)	1:425:A:ALA:H	1:433:A:SER:HB3	14	0.22
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD11	9	0.22
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD12	9	0.22
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD13	9	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD21	9	0.22
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD22	9	0.22
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD23	9	0.22
(1,2936)	1:416:A:ASP:HB2	1:435:A:GLN:HA	17	0.22
(1,2936)	1:416:A:ASP:HB3	1:435:A:GLN:HA	17	0.22
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	19	0.22
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	19	0.22
(1,2926)	1:414:A:LYS:HG2	1:415:A:PRO:HD2	12	0.22
(1,2926)	1:414:A:LYS:HG3	1:415:A:PRO:HD2	12	0.22
(1,2926)	1:414:A:LYS:HG2	1:415:A:PRO:HD3	12	0.22
(1,2926)	1:414:A:LYS:HG3	1:415:A:PRO:HD3	12	0.22
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE2	2	0.22
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE3	2	0.22
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE2	17	0.22
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE3	17	0.22
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	2	0.22
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	2	0.22
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	2	0.22
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	2	0.22
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	2	0.22
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	2	0.22
(1,2880)	1:409:A:VAL:HA	1:456:A:LEU:HD11	15	0.22
(1,2880)	1:409:A:VAL:HA	1:456:A:LEU:HD12	15	0.22
(1,2880)	1:409:A:VAL:HA	1:456:A:LEU:HD13	15	0.22
(1,2880)	1:409:A:VAL:HA	1:456:A:LEU:HD21	15	0.22
(1,2880)	1:409:A:VAL:HA	1:456:A:LEU:HD22	15	0.22
(1,2880)	1:409:A:VAL:HA	1:456:A:LEU:HD23	15	0.22
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	6	0.22
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	6	0.22
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	6	0.22
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	6	0.22
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	6	0.22
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	6	0.22
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	6	0.22
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	6	0.22
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	6	0.22
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	6	0.22
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	6	0.22
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	6	0.22
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	6	0.22
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	6	0.22
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	6	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	6	0.22
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	6	0.22
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	6	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	3	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	3	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	3	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	3	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	3	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	3	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	13	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	13	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	13	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	13	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	13	0.22
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	13	0.22
(1,2847)	1:400:A:VAL:HG11	1:424:A:THR:HA	13	0.22
(1,2847)	1:400:A:VAL:HG12	1:424:A:THR:HA	13	0.22
(1,2847)	1:400:A:VAL:HG13	1:424:A:THR:HA	13	0.22
(1,2847)	1:400:A:VAL:HG21	1:424:A:THR:HA	13	0.22
(1,2847)	1:400:A:VAL:HG22	1:424:A:THR:HA	13	0.22
(1,2847)	1:400:A:VAL:HG23	1:424:A:THR:HA	13	0.22
(1,2832)	1:400:A:VAL:HG11	1:406:A:THR:H	17	0.22
(1,2832)	1:400:A:VAL:HG12	1:406:A:THR:H	17	0.22
(1,2832)	1:400:A:VAL:HG13	1:406:A:THR:H	17	0.22
(1,2832)	1:400:A:VAL:HG21	1:406:A:THR:H	17	0.22
(1,2832)	1:400:A:VAL:HG22	1:406:A:THR:H	17	0.22
(1,2832)	1:400:A:VAL:HG23	1:406:A:THR:H	17	0.22
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	4	0.22
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	4	0.22
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	4	0.22
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	4	0.22
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	4	0.22
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	4	0.22
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	6	0.22
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	6	0.22
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	6	0.22
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	6	0.22
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	6	0.22
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	6	0.22
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	4	0.22
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	4	0.22
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	4	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	4	0.22
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	4	0.22
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	4	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	1	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	1	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	1	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	1	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	1	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	1	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	1	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	1	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	1	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	1	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	1	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	1	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	1	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	1	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	1	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	1	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	1	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	1	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	2	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	2	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	2	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	2	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	2	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	2	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	2	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	2	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	2	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	2	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	2	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	2	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	2	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	2	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	2	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	2	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	2	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	2	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	12	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	12	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	12	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	12	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	12	0.22
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	12	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	12	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	12	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	12	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	12	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	12	0.22
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	12	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	12	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	12	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	12	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	12	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	12	0.22
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	12	0.22
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	16	0.22
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	16	0.22
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	16	0.22
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	16	0.22
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	16	0.22
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	16	0.22
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	20	0.22
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	20	0.22
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	20	0.22
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	20	0.22
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	20	0.22
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	20	0.22
(1,2740)	1:392:A:LEU:HD11	1:445:A:ALA:H	3	0.22
(1,2740)	1:392:A:LEU:HD12	1:445:A:ALA:H	3	0.22
(1,2740)	1:392:A:LEU:HD13	1:445:A:ALA:H	3	0.22
(1,2740)	1:392:A:LEU:HD21	1:445:A:ALA:H	3	0.22
(1,2740)	1:392:A:LEU:HD22	1:445:A:ALA:H	3	0.22
(1,2740)	1:392:A:LEU:HD23	1:445:A:ALA:H	3	0.22
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	9	0.22
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	9	0.22
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	9	0.22
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	9	0.22
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	9	0.22
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	9	0.22
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	9	0.22
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	9	0.22
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	9	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	9	0.22
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	9	0.22
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	9	0.22
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	12	0.22
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	12	0.22
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	12	0.22
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	12	0.22
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	12	0.22
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	12	0.22
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG2	16	0.22
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG3	16	0.22
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	8	0.22
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	8	0.22
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	8	0.22
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	8	0.22
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	8	0.22
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	8	0.22
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG11	16	0.22
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG12	16	0.22
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG13	16	0.22
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG21	16	0.22
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG22	16	0.22
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG23	16	0.22
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	13	0.22
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	13	0.22
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	4	0.22
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	4	0.22
(1,2546)	1:363:A:LYS:HE2	1:377:A:GLN:H	19	0.22
(1,2546)	1:363:A:LYS:HE3	1:377:A:GLN:H	19	0.22
(1,2465)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	7	0.22
(1,2465)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	7	0.22
(1,2465)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	7	0.22
(1,2465)	1:359:A:VAL:HG21	1:383:A:PHE:HB3	7	0.22
(1,2465)	1:359:A:VAL:HG22	1:383:A:PHE:HB3	7	0.22
(1,2465)	1:359:A:VAL:HG23	1:383:A:PHE:HB3	7	0.22
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	1	0.22
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	1	0.22
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	1	0.22
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	1	0.22
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	1	0.22
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	1	0.22
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	2	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	2	0.22
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	2	0.22
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	2	0.22
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	2	0.22
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	2	0.22
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	12	0.22
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	12	0.22
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	12	0.22
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	12	0.22
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	12	0.22
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	12	0.22
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	5	0.22
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	5	0.22
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	5	0.22
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	5	0.22
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	5	0.22
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	5	0.22
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	12	0.22
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	12	0.22
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	12	0.22
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	12	0.22
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	12	0.22
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	12	0.22
(1,2359)	1:375:A:ARG:HB3	1:376:A:ILE:HA	7	0.22
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	12	0.22
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	6	0.22
(1,2340)	1:396:A:VAL:HG21	1:452:A:PHE:HA	18	0.22
(1,2340)	1:396:A:VAL:HG22	1:452:A:PHE:HA	18	0.22
(1,2340)	1:396:A:VAL:HG23	1:452:A:PHE:HA	18	0.22
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	2	0.22
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	4	0.22
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	13	0.22
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	16	0.22
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	16	0.22
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	16	0.22
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	5	0.22
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	5	0.22
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	5	0.22
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	1	0.22
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	1	0.22
(1,2292)	1:361:A:VAL:HG21	1:379:A:LEU:HB2	10	0.22
(1,2292)	1:361:A:VAL:HG22	1:379:A:LEU:HB2	10	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2292)	1:361:A:VAL:HG23	1:379:A:LEU:HB2	10	0.22
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	8	0.22
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	18	0.22
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	16	0.22
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	1	0.22
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	1	0.22
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	1	0.22
(1,2214)	1:417:A:ASN:HA	1:418:A:ARG:HA	2	0.22
(1,2211)	1:418:A:ARG:HA	1:435:A:GLN:HE21	8	0.22
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	17	0.22
(1,2187)	1:425:A:ALA:HB1	1:433:A:SER:HA	10	0.22
(1,2187)	1:425:A:ALA:HB2	1:433:A:SER:HA	10	0.22
(1,2187)	1:425:A:ALA:HB3	1:433:A:SER:HA	10	0.22
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	3	0.22
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	3	0.22
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	3	0.22
(1,2149)	1:439:A:VAL:HG11	1:444:A:PHE:HB2	14	0.22
(1,2149)	1:439:A:VAL:HG12	1:444:A:PHE:HB2	14	0.22
(1,2149)	1:439:A:VAL:HG13	1:444:A:PHE:HB2	14	0.22
(1,2079)	1:358:A:CYS:HA	1:385:A:PRO:HB3	1	0.22
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	1	0.22
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD21	10	0.22
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD22	10	0.22
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD23	10	0.22
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD21	10	0.22
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD22	10	0.22
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD23	10	0.22
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD21	10	0.22
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD22	10	0.22
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD23	10	0.22
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	1	0.22
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	1	0.22
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	17	0.22
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	17	0.22
(1,1944)	1:447:A:ARG:HA	1:451:A:ASN:HB2	2	0.22
(1,1944)	1:447:A:ARG:HA	1:451:A:ASN:HB3	2	0.22
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	9	0.22
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	19	0.22
(1,1919)	1:379:A:LEU:HD11	1:398:A:ALA:HB1	1	0.22
(1,1919)	1:379:A:LEU:HD11	1:398:A:ALA:HB2	1	0.22
(1,1919)	1:379:A:LEU:HD11	1:398:A:ALA:HB3	1	0.22
(1,1919)	1:379:A:LEU:HD12	1:398:A:ALA:HB1	1	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1919)	1:379:A:LEU:HD12	1:398:A:ALA:HB2	1	0.22
(1,1919)	1:379:A:LEU:HD12	1:398:A:ALA:HB3	1	0.22
(1,1919)	1:379:A:LEU:HD13	1:398:A:ALA:HB1	1	0.22
(1,1919)	1:379:A:LEU:HD13	1:398:A:ALA:HB2	1	0.22
(1,1919)	1:379:A:LEU:HD13	1:398:A:ALA:HB3	1	0.22
(1,1914)	1:367:A:PHE:HB2	1:371:A:LEU:HB3	1	0.22
(1,1902)	1:400:A:VAL:HG21	1:410:A:PHE:H	4	0.22
(1,1902)	1:400:A:VAL:HG22	1:410:A:PHE:H	4	0.22
(1,1902)	1:400:A:VAL:HG23	1:410:A:PHE:H	4	0.22
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	16	0.22
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	16	0.22
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	16	0.22
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	18	0.22
(1,1885)	1:419:A:GLY:HA3	1:438:A:PRO:HG3	13	0.22
(1,1853)	1:408:A:THR:HG21	1:409:A:VAL:HA	17	0.22
(1,1853)	1:408:A:THR:HG22	1:409:A:VAL:HA	17	0.22
(1,1853)	1:408:A:THR:HG23	1:409:A:VAL:HA	17	0.22
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	6	0.22
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	6	0.22
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	6	0.22
(1,1828)	1:396:A:VAL:HA	1:449:A:LEU:HB3	8	0.22
(1,1795)	1:406:A:THR:HG21	1:427:A:PHE:H	16	0.22
(1,1795)	1:406:A:THR:HG22	1:427:A:PHE:H	16	0.22
(1,1795)	1:406:A:THR:HG23	1:427:A:PHE:H	16	0.22
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	1	0.22
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	1	0.22
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	1	0.22
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	13	0.22
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	13	0.22
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	13	0.22
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	16	0.22
(1,1682)	1:407:A:LYS:HD2	1:427:A:PHE:HD1	6	0.22
(1,1682)	1:407:A:LYS:HD3	1:427:A:PHE:HD1	6	0.22
(1,1646)	1:363:A:LYS:HA	1:365:A:GLY:H	18	0.22
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	2	0.22
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	2	0.22
(1,1638)	1:383:A:PHE:HA	1:395:A:ILE:HD11	8	0.22
(1,1638)	1:383:A:PHE:HA	1:395:A:ILE:HD12	8	0.22
(1,1638)	1:383:A:PHE:HA	1:395:A:ILE:HD13	8	0.22
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	8	0.22
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	10	0.22
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	12	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:380:A:PRO:HG3	1:382:A:HIS:H	11	0.22
(1,1581)	1:380:A:PRO:HG3	1:382:A:HIS:H	14	0.22
(1,1529)	1:386:A:GLY:HA3	1:387:A:PRO:HG2	6	0.22
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG21	6	0.22
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG22	6	0.22
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG23	6	0.22
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	4	0.22
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	7	0.22
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	12	0.22
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	17	0.22
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	10	0.22
(1,1491)	1:387:A:PRO:HA	1:388:A:VAL:HB	10	0.22
(1,1464)	1:434:A:ILE:HG12	1:435:A:GLN:H	20	0.22
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG2	12	0.22
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG3	12	0.22
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	1	0.22
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	6	0.22
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	7	0.22
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	14	0.22
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	20	0.22
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	12	0.22
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	12	0.22
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	12	0.22
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	6	0.22
(1,1336)	1:422:A:VAL:HA	1:436:A:LEU:HB2	10	0.22
(1,1324)	1:465:A:GLN:HG2	1:466:A:PRO:HD3	2	0.22
(1,1324)	1:465:A:GLN:HG3	1:466:A:PRO:HD3	2	0.22
(1,1324)	1:465:A:GLN:HG2	1:466:A:PRO:HD2	2	0.22
(1,1324)	1:465:A:GLN:HG3	1:466:A:PRO:HD2	2	0.22
(1,1300)	1:446:A:LEU:HD11	1:465:A:GLN:H	14	0.22
(1,1300)	1:446:A:LEU:HD12	1:465:A:GLN:H	14	0.22
(1,1300)	1:446:A:LEU:HD13	1:465:A:GLN:H	14	0.22
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	1	0.22
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	18	0.22
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	15	0.22
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG3	16	0.22
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG2	16	0.22
(1,1169)	1:376:A:ILE:HD11	1:377:A:GLN:HA	17	0.22
(1,1169)	1:376:A:ILE:HD12	1:377:A:GLN:HA	17	0.22
(1,1169)	1:376:A:ILE:HD13	1:377:A:GLN:HA	17	0.22
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	10	0.22
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	20	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	19	0.22
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	8	0.22
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	8	0.22
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	8	0.22
(1,1140)	1:466:A:PRO:HG2	1:468:A:SER:H	11	0.22
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	19	0.22
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	5	0.22
(1,1103)	1:426:A:SER:H	1:432:A:HIS:H	14	0.22
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	12	0.22
(1,1098)	1:421:A:GLU:HB2	1:436:A:LEU:H	17	0.22
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	11	0.22
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	13	0.22
(1,1064)	1:395:A:ILE:HG21	1:449:A:LEU:H	18	0.22
(1,1064)	1:395:A:ILE:HG22	1:449:A:LEU:H	18	0.22
(1,1064)	1:395:A:ILE:HG23	1:449:A:LEU:H	18	0.22
(1,1056)	1:393:A:ARG:HB3	1:397:A:GLN:HE21	8	0.22
(1,1056)	1:393:A:ARG:HB3	1:397:A:GLN:HE22	8	0.22
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	18	0.22
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	20	0.22
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	8	0.22
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	10	0.22
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	17	0.22
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	17	0.22
(1,1028)	1:367:A:PHE:H	1:367:A:PHE:HD1	2	0.22
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	9	0.22
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	16	0.22
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	9	0.22
(1,1008)	1:457:A:GLN:HB2	1:457:A:GLN:HE21	4	0.22
(1,1008)	1:457:A:GLN:HB2	1:457:A:GLN:HE22	4	0.22
(1,956)	1:389:A:ASN:H	1:439:A:VAL:H	11	0.22
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	16	0.22
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	18	0.22
(1,934)	1:466:A:PRO:HG2	1:467:A:PHE:H	18	0.22
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	13	0.22
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	13	0.22
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	13	0.22
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	14	0.22
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	14	0.22
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	14	0.22
(1,913)	1:374:A:LYS:H	1:376:A:ILE:HG12	2	0.22
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	2	0.22
(1,854)	1:387:A:PRO:HA	1:390:A:VAL:H	2	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	11	0.22
(1,846)	1:405:A:GLU:HG2	1:409:A:VAL:H	19	0.22
(1,838)	1:355:A:SER:HB2	1:441:A:SER:H	19	0.22
(1,838)	1:355:A:SER:HB3	1:441:A:SER:H	19	0.22
(1,817)	1:365:A:GLY:H	1:366:A:ASN:HA	17	0.22
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	2	0.22
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	5	0.22
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	3	0.22
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	12	0.22
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	19	0.22
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	20	0.22
(1,794)	1:376:A:ILE:HG21	1:378:A:GLN:H	19	0.22
(1,794)	1:376:A:ILE:HG22	1:378:A:GLN:H	19	0.22
(1,794)	1:376:A:ILE:HG23	1:378:A:GLN:H	19	0.22
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	12	0.22
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	6	0.22
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	7	0.22
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	4	0.22
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	4	0.22
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	4	0.22
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	16	0.22
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	16	0.22
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	16	0.22
(1,767)	1:411:A:GLY:HA3	1:413:A:LEU:H	7	0.22
(1,754)	1:400:A:VAL:HB	1:403:A:ALA:H	16	0.22
(1,738)	1:360:A:TYR:H	1:464:A:SER:HA	15	0.22
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	7	0.22
(1,728)	1:362:A:ASN:H	1:461:A:LEU:HB3	12	0.22
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	20	0.22
(1,692)	1:359:A:VAL:H	1:385:A:PRO:HA	5	0.22
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	3	0.22
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	3	0.22
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	3	0.22
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	9	0.22
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	9	0.22
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	9	0.22
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	12	0.22
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	12	0.22
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	12	0.22
(1,647)	1:406:A:THR:HG21	1:425:A:ALA:H	6	0.22
(1,647)	1:406:A:THR:HG22	1:425:A:ALA:H	6	0.22
(1,647)	1:406:A:THR:HG23	1:425:A:ALA:H	6	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	2	0.22
(1,629)	1:360:A:TYR:H	1:465:A:GLN:H	12	0.22
(1,629)	1:360:A:TYR:H	1:465:A:GLN:H	13	0.22
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	7	0.22
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	11	0.22
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	18	0.22
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	20	0.22
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	8	0.22
(1,580)	1:466:A:PRO:HG3	1:468:A:SER:H	11	0.22
(1,557)	1:455:A:SER:H	1:456:A:LEU:HG	11	0.22
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	18	0.22
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	18	0.22
(1,514)	1:451:A:ASN:H	1:453:A:CYS:H	16	0.22
(1,510)	1:418:A:ARG:H	1:418:A:ARG:HD2	18	0.22
(1,497)	1:395:A:ILE:HD11	1:398:A:ALA:H	10	0.22
(1,497)	1:395:A:ILE:HD12	1:398:A:ALA:H	10	0.22
(1,497)	1:395:A:ILE:HD13	1:398:A:ALA:H	10	0.22
(1,492)	1:397:A:GLN:HB3	1:398:A:ALA:H	2	0.22
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	1	0.22
(1,382)	1:417:A:ASN:H	1:418:A:ARG:HB2	15	0.22
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	15	0.22
(1,338)	1:422:A:VAL:H	1:436:A:LEU:H	6	0.22
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	19	0.22
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	2	0.22
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	2	0.22
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	2	0.22
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	10	0.22
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	3	0.22
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	10	0.22
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	19	0.22
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	6	0.22
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	17	0.22
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	2	0.22
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	2	0.22
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	2	0.22
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	13	0.22
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	13	0.22
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	13	0.22
(1,176)	1:365:A:GLY:H	1:366:A:ASN:H	10	0.22
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	18	0.22
(1,158)	1:374:A:LYS:H	1:375:A:ARG:HA	2	0.22
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	20	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	20	0.22
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	20	0.22
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	20	0.22
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	20	0.22
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	4	0.22
(1,126)	1:431:A:THR:H	1:431:A:THR:HB	5	0.22
(1,126)	1:431:A:THR:H	1:431:A:THR:HB	20	0.22
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG21	2	0.22
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG22	2	0.22
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG23	2	0.22
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG21	16	0.22
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG22	16	0.22
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG23	16	0.22
(1,81)	1:370:A:HIS:H	1:371:A:LEU:HG	20	0.22
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	3	0.22
(1,67)	1:386:A:GLY:H	1:391:A:VAL:HB	12	0.22
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	7	0.22
(1,37)	1:419:A:GLY:H	1:435:A:GLN:HG2	16	0.22
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	3	0.22
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	7	0.22
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	16	0.21
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	16	0.21
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	16	0.21
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	16	0.21
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	16	0.21
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	16	0.21
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	17	0.21
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	17	0.21
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG2	5	0.21
(1,3089)	1:450:A:GLU:H	1:450:A:GLU:HG3	5	0.21
(1,3036)	1:439:A:VAL:HG11	1:445:A:ALA:H	9	0.21
(1,3036)	1:439:A:VAL:HG12	1:445:A:ALA:H	9	0.21
(1,3036)	1:439:A:VAL:HG13	1:445:A:ALA:H	9	0.21
(1,3036)	1:439:A:VAL:HG21	1:445:A:ALA:H	9	0.21
(1,3036)	1:439:A:VAL:HG22	1:445:A:ALA:H	9	0.21
(1,3036)	1:439:A:VAL:HG23	1:445:A:ALA:H	9	0.21
(1,3033)	1:439:A:VAL:HG11	1:444:A:PHE:HA	14	0.21
(1,3033)	1:439:A:VAL:HG12	1:444:A:PHE:HA	14	0.21
(1,3033)	1:439:A:VAL:HG13	1:444:A:PHE:HA	14	0.21
(1,3033)	1:439:A:VAL:HG21	1:444:A:PHE:HA	14	0.21
(1,3033)	1:439:A:VAL:HG22	1:444:A:PHE:HA	14	0.21
(1,3033)	1:439:A:VAL:HG23	1:444:A:PHE:HA	14	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG11	8	0.21
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG12	8	0.21
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG13	8	0.21
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG21	8	0.21
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG22	8	0.21
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG23	8	0.21
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB2	11	0.21
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB3	11	0.21
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	16	0.21
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	16	0.21
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	7	0.21
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	7	0.21
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	7	0.21
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	7	0.21
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	7	0.21
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	7	0.21
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	12	0.21
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	12	0.21
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	12	0.21
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	12	0.21
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	12	0.21
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	12	0.21
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	1	0.21
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	1	0.21
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	7	0.21
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	7	0.21
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	10	0.21
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	10	0.21
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	12	0.21
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	12	0.21
(1,2943)	1:418:A:ARG:HD2	1:419:A:GLY:H	16	0.21
(1,2943)	1:418:A:ARG:HD3	1:419:A:GLY:H	16	0.21
(1,2936)	1:416:A:ASP:HB2	1:435:A:GLN:HA	5	0.21
(1,2936)	1:416:A:ASP:HB3	1:435:A:GLN:HA	5	0.21
(1,2935)	1:416:A:ASP:HB2	1:435:A:GLN:H	3	0.21
(1,2935)	1:416:A:ASP:HB3	1:435:A:GLN:H	3	0.21
(1,2935)	1:416:A:ASP:HB2	1:435:A:GLN:H	7	0.21
(1,2935)	1:416:A:ASP:HB3	1:435:A:GLN:H	7	0.21
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	5	0.21
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	5	0.21
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	5	0.21
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	5	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	5	0.21
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	5	0.21
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	1	0.21
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	1	0.21
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	1	0.21
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	1	0.21
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	1	0.21
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	1	0.21
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	2	0.21
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	2	0.21
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	2	0.21
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	2	0.21
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	2	0.21
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	2	0.21
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	3	0.21
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	3	0.21
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	3	0.21
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	3	0.21
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	3	0.21
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	3	0.21
(1,2801)	1:396:A:VAL:HG11	1:424:A:THR:H	13	0.21
(1,2801)	1:396:A:VAL:HG12	1:424:A:THR:H	13	0.21
(1,2801)	1:396:A:VAL:HG13	1:424:A:THR:H	13	0.21
(1,2801)	1:396:A:VAL:HG21	1:424:A:THR:H	13	0.21
(1,2801)	1:396:A:VAL:HG22	1:424:A:THR:H	13	0.21
(1,2801)	1:396:A:VAL:HG23	1:424:A:THR:H	13	0.21
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	13	0.21
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	13	0.21
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	13	0.21
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	13	0.21
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	13	0.21
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	13	0.21
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	19	0.21
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	19	0.21
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	19	0.21
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	19	0.21
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	19	0.21
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	19	0.21
(1,2753)	1:393:A:ARG:HG3	1:436:A:LEU:HD11	18	0.21
(1,2753)	1:393:A:ARG:HG3	1:436:A:LEU:HD12	18	0.21
(1,2753)	1:393:A:ARG:HG3	1:436:A:LEU:HD13	18	0.21
(1,2753)	1:393:A:ARG:HG3	1:436:A:LEU:HD21	18	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2753)	1:393:A:ARG:HG3	1:436:A:LEU:HD22	18	0.21
(1,2753)	1:393:A:ARG:HG3	1:436:A:LEU:HD23	18	0.21
(1,2735)	1:392:A:LEU:HD11	1:438:A:PRO:HA	9	0.21
(1,2735)	1:392:A:LEU:HD12	1:438:A:PRO:HA	9	0.21
(1,2735)	1:392:A:LEU:HD13	1:438:A:PRO:HA	9	0.21
(1,2735)	1:392:A:LEU:HD21	1:438:A:PRO:HA	9	0.21
(1,2735)	1:392:A:LEU:HD22	1:438:A:PRO:HA	9	0.21
(1,2735)	1:392:A:LEU:HD23	1:438:A:PRO:HA	9	0.21
(1,2731)	1:392:A:LEU:HD11	1:393:A:ARG:HB2	13	0.21
(1,2731)	1:392:A:LEU:HD12	1:393:A:ARG:HB2	13	0.21
(1,2731)	1:392:A:LEU:HD13	1:393:A:ARG:HB2	13	0.21
(1,2731)	1:392:A:LEU:HD21	1:393:A:ARG:HB2	13	0.21
(1,2731)	1:392:A:LEU:HD22	1:393:A:ARG:HB2	13	0.21
(1,2731)	1:392:A:LEU:HD23	1:393:A:ARG:HB2	13	0.21
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	2	0.21
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	2	0.21
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	2	0.21
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	2	0.21
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	2	0.21
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	2	0.21
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	5	0.21
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	5	0.21
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	5	0.21
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	5	0.21
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	5	0.21
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	5	0.21
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG2	20	0.21
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG3	20	0.21
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	13	0.21
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	13	0.21
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	13	0.21
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	13	0.21
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	13	0.21
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	13	0.21
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	4	0.21
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	4	0.21
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	4	0.21
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	4	0.21
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	4	0.21
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	4	0.21
(1,2632)	1:375:A:ARG:HA	1:402:A:CYS:HB2	5	0.21
(1,2632)	1:375:A:ARG:HA	1:402:A:CYS:HB3	5	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD11	20	0.21
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD12	20	0.21
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD13	20	0.21
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD21	20	0.21
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD22	20	0.21
(1,2599)	1:371:A:LEU:H	1:456:A:LEU:HD23	20	0.21
(1,2580)	1:368:A:GLY:H	1:458:A:CYS:HB2	14	0.21
(1,2580)	1:368:A:GLY:H	1:458:A:CYS:HB3	14	0.21
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD11	10	0.21
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD12	10	0.21
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD13	10	0.21
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD21	10	0.21
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD22	10	0.21
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD23	10	0.21
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	16	0.21
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	16	0.21
(1,2549)	1:363:A:LYS:HE2	1:377:A:GLN:HE21	5	0.21
(1,2549)	1:363:A:LYS:HE2	1:377:A:GLN:HE22	5	0.21
(1,2549)	1:363:A:LYS:HE3	1:377:A:GLN:HE21	5	0.21
(1,2549)	1:363:A:LYS:HE3	1:377:A:GLN:HE22	5	0.21
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	7	0.21
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	7	0.21
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	7	0.21
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	7	0.21
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	7	0.21
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	7	0.21
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	7	0.21
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	18	0.21
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	18	0.21
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	18	0.21
(1,2370)	1:376:A:ILE:HD11	1:399:A:CYS:HB3	18	0.21
(1,2370)	1:376:A:ILE:HD12	1:399:A:CYS:HB3	18	0.21
(1,2370)	1:376:A:ILE:HD13	1:399:A:CYS:HB3	18	0.21
(1,2361)	1:376:A:ILE:HA	1:378:A:GLN:HB2	16	0.21
(1,2359)	1:375:A:ARG:HB3	1:376:A:ILE:HA	2	0.21
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	6	0.21
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	7	0.21
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	9	0.21
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	12	0.21
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	4	0.21
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	2	0.21
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	2	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	3	0.21
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	3	0.21
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	10	0.21
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	10	0.21
(1,2296)	1:359:A:VAL:HA	1:464:A:SER:HB3	11	0.21
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	4	0.21
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	9	0.21
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	4	0.21
(1,2233)	1:415:A:PRO:HG2	1:416:A:ASP:H	7	0.21
(1,2213)	1:451:A:ASN:HA	1:453:A:CYS:H	12	0.21
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	14	0.21
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	14	0.21
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	14	0.21
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	14	0.21
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	14	0.21
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	14	0.21
(1,2199)	1:405:A:GLU:HA	1:407:A:LYS:HB3	9	0.21
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD21	14	0.21
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD22	14	0.21
(1,2104)	1:446:A:LEU:HA	1:446:A:LEU:HD23	14	0.21
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	2	0.21
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	2	0.21
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	2	0.21
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	16	0.21
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	16	0.21
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	16	0.21
(1,2028)	1:397:A:GLN:HA	1:423:A:ILE:HD11	17	0.21
(1,2028)	1:397:A:GLN:HA	1:423:A:ILE:HD12	17	0.21
(1,2028)	1:397:A:GLN:HA	1:423:A:ILE:HD13	17	0.21
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	8	0.21
(1,1997)	1:395:A:ILE:HG21	1:398:A:ALA:HB1	18	0.21
(1,1997)	1:395:A:ILE:HG21	1:398:A:ALA:HB2	18	0.21
(1,1997)	1:395:A:ILE:HG21	1:398:A:ALA:HB3	18	0.21
(1,1997)	1:395:A:ILE:HG22	1:398:A:ALA:HB1	18	0.21
(1,1997)	1:395:A:ILE:HG22	1:398:A:ALA:HB2	18	0.21
(1,1997)	1:395:A:ILE:HG22	1:398:A:ALA:HB3	18	0.21
(1,1997)	1:395:A:ILE:HG23	1:398:A:ALA:HB1	18	0.21
(1,1997)	1:395:A:ILE:HG23	1:398:A:ALA:HB2	18	0.21
(1,1997)	1:395:A:ILE:HG23	1:398:A:ALA:HB3	18	0.21
(1,1963)	1:395:A:ILE:HB	1:452:A:PHE:HD2	3	0.21
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	10	0.21
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	10	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	14	0.21
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	14	0.21
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG2	1	0.21
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG3	1	0.21
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	2	0.21
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	14	0.21
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	17	0.21
(1,1927)	1:371:A:LEU:HD21	1:402:A:CYS:H	13	0.21
(1,1927)	1:371:A:LEU:HD22	1:402:A:CYS:H	13	0.21
(1,1927)	1:371:A:LEU:HD23	1:402:A:CYS:H	13	0.21
(1,1919)	1:379:A:LEU:HD11	1:398:A:ALA:HB1	11	0.21
(1,1919)	1:379:A:LEU:HD11	1:398:A:ALA:HB2	11	0.21
(1,1919)	1:379:A:LEU:HD11	1:398:A:ALA:HB3	11	0.21
(1,1919)	1:379:A:LEU:HD12	1:398:A:ALA:HB1	11	0.21
(1,1919)	1:379:A:LEU:HD12	1:398:A:ALA:HB2	11	0.21
(1,1919)	1:379:A:LEU:HD12	1:398:A:ALA:HB3	11	0.21
(1,1919)	1:379:A:LEU:HD13	1:398:A:ALA:HB1	11	0.21
(1,1919)	1:379:A:LEU:HD13	1:398:A:ALA:HB2	11	0.21
(1,1919)	1:379:A:LEU:HD13	1:398:A:ALA:HB3	11	0.21
(1,1914)	1:367:A:PHE:HB2	1:371:A:LEU:HB3	18	0.21
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	7	0.21
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	7	0.21
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	7	0.21
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	7	0.21
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	15	0.21
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	15	0.21
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	15	0.21
(1,1824)	1:396:A:VAL:HA	1:399:A:CYS:H	17	0.21
(1,1818)	1:451:A:ASN:HA	1:454:A:HIS:H	6	0.21
(1,1807)	1:400:A:VAL:HG21	1:409:A:VAL:HB	4	0.21
(1,1807)	1:400:A:VAL:HG22	1:409:A:VAL:HB	4	0.21
(1,1807)	1:400:A:VAL:HG23	1:409:A:VAL:HB	4	0.21
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB1	17	0.21
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB2	17	0.21
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB3	17	0.21
(1,1752)	1:360:A:TYR:HD1	1:466:A:PRO:HB3	11	0.21
(1,1732)	1:427:A:PHE:HD1	1:428:A:ASP:HA	20	0.21
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	17	0.21
(1,1646)	1:363:A:LYS:HA	1:365:A:GLY:H	19	0.21
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	17	0.21
(1,1629)	1:400:A:VAL:HB	1:401:A:ASP:HA	17	0.21
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	10	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	10	0.21
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	10	0.21
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	10	0.21
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	10	0.21
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	10	0.21
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	10	0.21
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	10	0.21
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	10	0.21
(1,1611)	1:398:A:ALA:HB1	1:401:A:ASP:H	20	0.21
(1,1611)	1:398:A:ALA:HB2	1:401:A:ASP:H	20	0.21
(1,1611)	1:398:A:ALA:HB3	1:401:A:ASP:H	20	0.21
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	3	0.21
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB1	11	0.21
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB2	11	0.21
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB3	11	0.21
(1,1571)	1:380:A:PRO:HA	1:381:A:ASP:HB2	19	0.21
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	2	0.21
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	2	0.21
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	15	0.21
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	4	0.21
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	13	0.21
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	14	0.21
(1,1529)	1:386:A:GLY:HA3	1:387:A:PRO:HG2	20	0.21
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	9	0.21
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	13	0.21
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	9	0.21
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	11	0.21
(1,1491)	1:387:A:PRO:HA	1:388:A:VAL:HB	14	0.21
(1,1464)	1:434:A:ILE:HG12	1:435:A:GLN:H	13	0.21
(1,1458)	1:434:A:ILE:HD11	1:436:A:LEU:HG	1	0.21
(1,1458)	1:434:A:ILE:HD12	1:436:A:LEU:HG	1	0.21
(1,1458)	1:434:A:ILE:HD13	1:436:A:LEU:HG	1	0.21
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	10	0.21
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	10	0.21
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	10	0.21
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	2	0.21
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	2	0.21
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	2	0.21
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	16	0.21
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	16	0.21
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	16	0.21
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	8	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	9	0.21
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	10	0.21
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	17	0.21
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	9	0.21
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	9	0.21
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	9	0.21
(1,1384)	1:424:A:THR:HA	1:434:A:ILE:H	7	0.21
(1,1384)	1:424:A:THR:HA	1:434:A:ILE:H	12	0.21
(1,1300)	1:446:A:LEU:HD11	1:465:A:GLN:H	17	0.21
(1,1300)	1:446:A:LEU:HD12	1:465:A:GLN:H	17	0.21
(1,1300)	1:446:A:LEU:HD13	1:465:A:GLN:H	17	0.21
(1,1267)	1:423:A:ILE:HB	1:433:A:SER:HA	19	0.21
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	13	0.21
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	13	0.21
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	13	0.21
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	19	0.21
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	19	0.21
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	6	0.21
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	3	0.21
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	20	0.21
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	16	0.21
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	16	0.21
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	16	0.21
(1,1137)	1:464:A:SER:HA	1:465:A:GLN:HE21	6	0.21
(1,1137)	1:464:A:SER:HA	1:465:A:GLN:HE22	6	0.21
(1,1135)	1:462:A:LEU:HD11	1:463:A:SER:H	17	0.21
(1,1135)	1:462:A:LEU:HD12	1:463:A:SER:H	17	0.21
(1,1135)	1:462:A:LEU:HD13	1:463:A:SER:H	17	0.21
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	15	0.21
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	19	0.21
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB1	13	0.21
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB2	13	0.21
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB3	13	0.21
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	15	0.21
(1,1100)	1:425:A:ALA:HA	1:432:A:HIS:H	13	0.21
(1,1100)	1:425:A:ALA:HA	1:432:A:HIS:H	17	0.21
(1,1098)	1:421:A:GLU:HB2	1:436:A:LEU:H	1	0.21
(1,1098)	1:421:A:GLU:HB2	1:436:A:LEU:H	14	0.21
(1,1074)	1:402:A:CYS:H	1:403:A:ALA:HA	2	0.21
(1,1064)	1:395:A:ILE:HG21	1:449:A:LEU:H	5	0.21
(1,1064)	1:395:A:ILE:HG22	1:449:A:LEU:H	5	0.21
(1,1064)	1:395:A:ILE:HG23	1:449:A:LEU:H	5	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1064)	1:395:A:ILE:HG21	1:449:A:LEU:H	16	0.21
(1,1064)	1:395:A:ILE:HG22	1:449:A:LEU:H	16	0.21
(1,1064)	1:395:A:ILE:HG23	1:449:A:LEU:H	16	0.21
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	8	0.21
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	1	0.21
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	6	0.21
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	12	0.21
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	14	0.21
(1,1045)	1:357:A:VAL:H	1:386:A:GLY:HA2	4	0.21
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD21	4	0.21
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD22	4	0.21
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	6	0.21
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	7	0.21
(1,1014)	1:355:A:SER:H	1:389:A:ASN:H	10	0.21
(1,965)	1:360:A:TYR:H	1:382:A:HIS:HA	12	0.21
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	3	0.21
(1,932)	1:355:A:SER:H	1:388:A:VAL:H	15	0.21
(1,913)	1:374:A:LYS:H	1:376:A:ILE:HG12	10	0.21
(1,909)	1:406:A:THR:HB	1:426:A:SER:H	9	0.21
(1,909)	1:406:A:THR:HB	1:426:A:SER:H	10	0.21
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	14	0.21
(1,863)	1:387:A:PRO:HG2	1:390:A:VAL:H	10	0.21
(1,854)	1:387:A:PRO:HA	1:390:A:VAL:H	13	0.21
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	2	0.21
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	12	0.21
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	12	0.21
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	12	0.21
(1,812)	1:363:A:LYS:HB3	1:365:A:GLY:H	2	0.21
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	15	0.21
(1,756)	1:400:A:VAL:HA	1:403:A:ALA:H	10	0.21
(1,754)	1:400:A:VAL:HB	1:403:A:ALA:H	14	0.21
(1,752)	1:371:A:LEU:HD21	1:403:A:ALA:H	13	0.21
(1,752)	1:371:A:LEU:HD22	1:403:A:ALA:H	13	0.21
(1,752)	1:371:A:LEU:HD23	1:403:A:ALA:H	13	0.21
(1,744)	1:358:A:CYS:H	1:385:A:PRO:HA	1	0.21
(1,744)	1:358:A:CYS:H	1:385:A:PRO:HA	20	0.21
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	15	0.21
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	8	0.21
(1,647)	1:406:A:THR:HG21	1:425:A:ALA:H	14	0.21
(1,647)	1:406:A:THR:HG22	1:425:A:ALA:H	14	0.21
(1,647)	1:406:A:THR:HG23	1:425:A:ALA:H	14	0.21
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	18	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:360:A:TYR:H	1:465:A:GLN:H	2	0.21
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	10	0.21
(1,601)	1:439:A:VAL:HG11	1:445:A:ALA:H	8	0.21
(1,601)	1:439:A:VAL:HG12	1:445:A:ALA:H	8	0.21
(1,601)	1:439:A:VAL:HG13	1:445:A:ALA:H	8	0.21
(1,601)	1:439:A:VAL:HG11	1:445:A:ALA:H	19	0.21
(1,601)	1:439:A:VAL:HG12	1:445:A:ALA:H	19	0.21
(1,601)	1:439:A:VAL:HG13	1:445:A:ALA:H	19	0.21
(1,580)	1:466:A:PRO:HG3	1:468:A:SER:H	4	0.21
(1,546)	1:387:A:PRO:HD2	1:391:A:VAL:H	1	0.21
(1,546)	1:387:A:PRO:HD2	1:391:A:VAL:H	19	0.21
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	11	0.21
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	15	0.21
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	20	0.21
(1,497)	1:395:A:ILE:HD11	1:398:A:ALA:H	8	0.21
(1,497)	1:395:A:ILE:HD12	1:398:A:ALA:H	8	0.21
(1,497)	1:395:A:ILE:HD13	1:398:A:ALA:H	8	0.21
(1,497)	1:395:A:ILE:HD11	1:398:A:ALA:H	18	0.21
(1,497)	1:395:A:ILE:HD12	1:398:A:ALA:H	18	0.21
(1,497)	1:395:A:ILE:HD13	1:398:A:ALA:H	18	0.21
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	8	0.21
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	17	0.21
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	12	0.21
(1,478)	1:359:A:VAL:HA	1:361:A:VAL:H	14	0.21
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	15	0.21
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	3	0.21
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	4	0.21
(1,414)	1:398:A:ALA:HA	1:401:A:ASP:H	19	0.21
(1,405)	1:433:A:SER:HB3	1:434:A:ILE:H	17	0.21
(1,400)	1:424:A:THR:HG21	1:434:A:ILE:H	16	0.21
(1,400)	1:424:A:THR:HG22	1:434:A:ILE:H	16	0.21
(1,400)	1:424:A:THR:HG23	1:434:A:ILE:H	16	0.21
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	2	0.21
(1,369)	1:463:A:SER:HB3	1:464:A:SER:H	5	0.21
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	7	0.21
(1,338)	1:422:A:VAL:H	1:436:A:LEU:H	20	0.21
(1,287)	1:405:A:GLU:HB3	1:407:A:LYS:H	7	0.21
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	5	0.21
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	17	0.21
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	18	0.21
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	1	0.21
(1,202)	1:390:A:VAL:HA	1:393:A:ARG:H	13	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	16	0.21
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	16	0.21
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	16	0.21
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	5	0.21
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	1	0.21
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	9	0.21
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	17	0.21
(1,158)	1:374:A:LYS:H	1:375:A:ARG:HA	1	0.21
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	4	0.21
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	4	0.21
(1,126)	1:431:A:THR:H	1:431:A:THR:HB	12	0.21
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	2	0.21
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	2	0.21
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	2	0.21
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	2	0.21
(1,38)	1:418:A:ARG:HB2	1:419:A:GLY:H	3	0.21
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG2	19	0.21
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG3	19	0.21
(1,34)	1:427:A:PHE:HA	1:429:A:GLY:H	5	0.21
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	12	0.21
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	20	0.21
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	5	0.2
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	5	0.2
(1,3114)	1:453:A:CYS:HB2	1:459:A:ASP:HA	12	0.2
(1,3114)	1:453:A:CYS:HB3	1:459:A:ASP:HA	12	0.2
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	5	0.2
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	5	0.2
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	5	0.2
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	5	0.2
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	5	0.2
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	5	0.2
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	5	0.2
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	5	0.2
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	5	0.2
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	5	0.2
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	5	0.2
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	5	0.2
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	5	0.2
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	5	0.2
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	5	0.2
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	5	0.2
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	5	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	5	0.2
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD21	12	0.2
(1,3029)	1:439:A:VAL:HG11	1:440:A:ASN:HD22	12	0.2
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD21	12	0.2
(1,3029)	1:439:A:VAL:HG12	1:440:A:ASN:HD22	12	0.2
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD21	12	0.2
(1,3029)	1:439:A:VAL:HG13	1:440:A:ASN:HD22	12	0.2
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD21	12	0.2
(1,3029)	1:439:A:VAL:HG21	1:440:A:ASN:HD22	12	0.2
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD21	12	0.2
(1,3029)	1:439:A:VAL:HG22	1:440:A:ASN:HD22	12	0.2
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD21	12	0.2
(1,3029)	1:439:A:VAL:HG23	1:440:A:ASN:HD22	12	0.2
(1,3005)	1:432:A:HIS:HB2	1:433:A:SER:H	5	0.2
(1,3005)	1:432:A:HIS:HB3	1:433:A:SER:H	5	0.2
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB2	15	0.2
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB3	15	0.2
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB2	16	0.2
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB3	16	0.2
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB2	16	0.2
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB3	16	0.2
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB2	16	0.2
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB3	16	0.2
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB2	20	0.2
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB3	20	0.2
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB2	20	0.2
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB3	20	0.2
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB2	20	0.2
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB3	20	0.2
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB2	13	0.2
(1,2992)	1:427:A:PHE:H	1:430:A:GLU:HB3	13	0.2
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	5	0.2
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	5	0.2
(1,2987)	1:425:A:ALA:HB1	1:432:A:HIS:HB2	12	0.2
(1,2987)	1:425:A:ALA:HB1	1:432:A:HIS:HB3	12	0.2
(1,2987)	1:425:A:ALA:HB2	1:432:A:HIS:HB2	12	0.2
(1,2987)	1:425:A:ALA:HB2	1:432:A:HIS:HB3	12	0.2
(1,2987)	1:425:A:ALA:HB3	1:432:A:HIS:HB2	12	0.2
(1,2987)	1:425:A:ALA:HB3	1:432:A:HIS:HB3	12	0.2
(1,2934)	1:416:A:ASP:HB2	1:418:A:ARG:HA	20	0.2
(1,2934)	1:416:A:ASP:HB3	1:418:A:ARG:HA	20	0.2
(1,2926)	1:414:A:LYS:HG2	1:415:A:PRO:HD2	13	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2926)	1:414:A:LYS:HG3	1:415:A:PRO:HD2	13	0.2
(1,2926)	1:414:A:LYS:HG2	1:415:A:PRO:HD3	13	0.2
(1,2926)	1:414:A:LYS:HG3	1:415:A:PRO:HD3	13	0.2
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE2	20	0.2
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE3	20	0.2
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	6	0.2
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	6	0.2
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	6	0.2
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	6	0.2
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	6	0.2
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	6	0.2
(1,2883)	1:409:A:VAL:HG11	1:410:A:PHE:HA	12	0.2
(1,2883)	1:409:A:VAL:HG12	1:410:A:PHE:HA	12	0.2
(1,2883)	1:409:A:VAL:HG13	1:410:A:PHE:HA	12	0.2
(1,2883)	1:409:A:VAL:HG21	1:410:A:PHE:HA	12	0.2
(1,2883)	1:409:A:VAL:HG22	1:410:A:PHE:HA	12	0.2
(1,2883)	1:409:A:VAL:HG23	1:410:A:PHE:HA	12	0.2
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	11	0.2
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	11	0.2
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	11	0.2
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	11	0.2
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	11	0.2
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	11	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	5	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	5	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	5	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	5	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	5	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	5	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	9	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	9	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	9	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	9	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	9	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	9	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	19	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	19	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	19	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	19	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	19	0.2
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	19	0.2
(1,2832)	1:400:A:VAL:HG11	1:406:A:THR:H	6	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2832)	1:400:A:VAL:HG12	1:406:A:THR:H	6	0.2
(1,2832)	1:400:A:VAL:HG13	1:406:A:THR:H	6	0.2
(1,2832)	1:400:A:VAL:HG21	1:406:A:THR:H	6	0.2
(1,2832)	1:400:A:VAL:HG22	1:406:A:THR:H	6	0.2
(1,2832)	1:400:A:VAL:HG23	1:406:A:THR:H	6	0.2
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	12	0.2
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	12	0.2
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	12	0.2
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	12	0.2
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	12	0.2
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	12	0.2
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD11	14	0.2
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD12	14	0.2
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD13	14	0.2
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD21	14	0.2
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD22	14	0.2
(1,2819)	1:399:A:CYS:HA	1:456:A:LEU:HD23	14	0.2
(1,2801)	1:396:A:VAL:HG11	1:424:A:THR:H	1	0.2
(1,2801)	1:396:A:VAL:HG12	1:424:A:THR:H	1	0.2
(1,2801)	1:396:A:VAL:HG13	1:424:A:THR:H	1	0.2
(1,2801)	1:396:A:VAL:HG21	1:424:A:THR:H	1	0.2
(1,2801)	1:396:A:VAL:HG22	1:424:A:THR:H	1	0.2
(1,2801)	1:396:A:VAL:HG23	1:424:A:THR:H	1	0.2
(1,2731)	1:392:A:LEU:HD11	1:393:A:ARG:HB2	2	0.2
(1,2731)	1:392:A:LEU:HD12	1:393:A:ARG:HB2	2	0.2
(1,2731)	1:392:A:LEU:HD13	1:393:A:ARG:HB2	2	0.2
(1,2731)	1:392:A:LEU:HD21	1:393:A:ARG:HB2	2	0.2
(1,2731)	1:392:A:LEU:HD22	1:393:A:ARG:HB2	2	0.2
(1,2731)	1:392:A:LEU:HD23	1:393:A:ARG:HB2	2	0.2
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	19	0.2
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	19	0.2
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	19	0.2
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	19	0.2
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	19	0.2
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	19	0.2
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	1	0.2
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	1	0.2
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	1	0.2
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	1	0.2
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	1	0.2
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	1	0.2
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG2	1	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG3	1	0.2
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG2	17	0.2
(1,2695)	1:389:A:ASN:HA	1:421:A:GLU:HG3	17	0.2
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	1	0.2
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	1	0.2
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	1	0.2
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	1	0.2
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	1	0.2
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	1	0.2
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	13	0.2
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	13	0.2
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	13	0.2
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	13	0.2
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	13	0.2
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	13	0.2
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	18	0.2
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	18	0.2
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	18	0.2
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	18	0.2
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	18	0.2
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	18	0.2
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	7	0.2
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	7	0.2
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	7	0.2
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	7	0.2
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	7	0.2
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	7	0.2
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG11	8	0.2
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG12	8	0.2
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG13	8	0.2
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG21	8	0.2
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG22	8	0.2
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG23	8	0.2
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	2	0.2
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	2	0.2
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	10	0.2
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	10	0.2
(1,2610)	1:371:A:LEU:HD21	1:399:A:CYS:HB2	18	0.2
(1,2610)	1:371:A:LEU:HD21	1:399:A:CYS:HB3	18	0.2
(1,2610)	1:371:A:LEU:HD22	1:399:A:CYS:HB2	18	0.2
(1,2610)	1:371:A:LEU:HD22	1:399:A:CYS:HB3	18	0.2
(1,2610)	1:371:A:LEU:HD23	1:399:A:CYS:HB2	18	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2610)	1:371:A:LEU:HD23	1:399:A:CYS:HB3	18	0.2
(1,2570)	1:366:A:ASN:HB2	1:460:A:ASN:HB2	10	0.2
(1,2570)	1:366:A:ASN:HB2	1:460:A:ASN:HB3	10	0.2
(1,2570)	1:366:A:ASN:HB3	1:460:A:ASN:HB2	10	0.2
(1,2570)	1:366:A:ASN:HB3	1:460:A:ASN:HB3	10	0.2
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	2	0.2
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	2	0.2
(1,2515)	1:361:A:VAL:HG11	1:381:A:ASP:H	18	0.2
(1,2515)	1:361:A:VAL:HG12	1:381:A:ASP:H	18	0.2
(1,2515)	1:361:A:VAL:HG13	1:381:A:ASP:H	18	0.2
(1,2515)	1:361:A:VAL:HG21	1:381:A:ASP:H	18	0.2
(1,2515)	1:361:A:VAL:HG22	1:381:A:ASP:H	18	0.2
(1,2515)	1:361:A:VAL:HG23	1:381:A:ASP:H	18	0.2
(1,2511)	1:361:A:VAL:HG11	1:379:A:LEU:HG	19	0.2
(1,2511)	1:361:A:VAL:HG12	1:379:A:LEU:HG	19	0.2
(1,2511)	1:361:A:VAL:HG13	1:379:A:LEU:HG	19	0.2
(1,2511)	1:361:A:VAL:HG21	1:379:A:LEU:HG	19	0.2
(1,2511)	1:361:A:VAL:HG22	1:379:A:LEU:HG	19	0.2
(1,2511)	1:361:A:VAL:HG23	1:379:A:LEU:HG	19	0.2
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD11	18	0.2
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD12	18	0.2
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD13	18	0.2
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD21	18	0.2
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD22	18	0.2
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD23	18	0.2
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB2	15	0.2
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB3	15	0.2
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	15	0.2
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	15	0.2
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	15	0.2
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	15	0.2
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	15	0.2
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	15	0.2
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	16	0.2
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	17	0.2
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD11	16	0.2
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD12	16	0.2
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD13	16	0.2
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD11	16	0.2
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD12	16	0.2
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD13	16	0.2
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD11	16	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD12	16	0.2
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD13	16	0.2
(1,2373)	1:376:A:ILE:HD11	1:399:A:CYS:HB2	16	0.2
(1,2373)	1:376:A:ILE:HD12	1:399:A:CYS:HB2	16	0.2
(1,2373)	1:376:A:ILE:HD13	1:399:A:CYS:HB2	16	0.2
(1,2361)	1:376:A:ILE:HA	1:378:A:GLN:HB2	20	0.2
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	17	0.2
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	13	0.2
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	1	0.2
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	5	0.2
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	2	0.2
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	19	0.2
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	9	0.2
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	12	0.2
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	19	0.2
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	9	0.2
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	9	0.2
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	18	0.2
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	18	0.2
(1,2271)	1:395:A:ILE:HD11	1:462:A:LEU:HD11	3	0.2
(1,2271)	1:395:A:ILE:HD11	1:462:A:LEU:HD12	3	0.2
(1,2271)	1:395:A:ILE:HD11	1:462:A:LEU:HD13	3	0.2
(1,2271)	1:395:A:ILE:HD12	1:462:A:LEU:HD11	3	0.2
(1,2271)	1:395:A:ILE:HD12	1:462:A:LEU:HD12	3	0.2
(1,2271)	1:395:A:ILE:HD12	1:462:A:LEU:HD13	3	0.2
(1,2271)	1:395:A:ILE:HD13	1:462:A:LEU:HD11	3	0.2
(1,2271)	1:395:A:ILE:HD13	1:462:A:LEU:HD12	3	0.2
(1,2271)	1:395:A:ILE:HD13	1:462:A:LEU:HD13	3	0.2
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	1	0.2
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	20	0.2
(1,2233)	1:415:A:PRO:HG2	1:416:A:ASP:H	17	0.2
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	15	0.2
(1,2213)	1:451:A:ASN:HA	1:453:A:CYS:H	16	0.2
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	5	0.2
(1,2174)	1:442:A:ALA:HA	1:446:A:LEU:H	17	0.2
(1,2174)	1:442:A:ALA:HA	1:446:A:LEU:H	20	0.2
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	2	0.2
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	2	0.2
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	2	0.2
(1,2141)	1:444:A:PHE:HA	1:447:A:ARG:HG2	11	0.2
(1,2141)	1:444:A:PHE:HA	1:447:A:ARG:HG3	11	0.2
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD2	4	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2138)	1:447:A:ARG:HA	1:447:A:ARG:HD3	4	0.2
(1,2099)	1:365:A:GLY:HA3	1:460:A:ASN:HD21	8	0.2
(1,2099)	1:365:A:GLY:HA3	1:460:A:ASN:HD22	8	0.2
(1,2079)	1:358:A:CYS:HA	1:385:A:PRO:HB3	12	0.2
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	15	0.2
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD21	14	0.2
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD22	14	0.2
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD23	14	0.2
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	11	0.2
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	11	0.2
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	11	0.2
(1,2045)	1:450:A:GLU:H	1:450:A:GLU:HG3	6	0.2
(1,2043)	1:450:A:GLU:H	1:450:A:GLU:HG2	12	0.2
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	1	0.2
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	2	0.2
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	9	0.2
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	17	0.2
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD11	4	0.2
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD12	4	0.2
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD13	4	0.2
(1,1977)	1:395:A:ILE:HA	1:398:A:ALA:H	2	0.2
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	20	0.2
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	8	0.2
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	8	0.2
(1,1948)	1:375:A:ARG:HD3	1:402:A:CYS:H	5	0.2
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	1	0.2
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	10	0.2
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	17	0.2
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	19	0.2
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	2	0.2
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	5	0.2
(1,1940)	1:447:A:ARG:HA	1:450:A:GLU:HB3	11	0.2
(1,1904)	1:400:A:VAL:HG11	1:402:A:CYS:H	10	0.2
(1,1904)	1:400:A:VAL:HG12	1:402:A:CYS:H	10	0.2
(1,1904)	1:400:A:VAL:HG13	1:402:A:CYS:H	10	0.2
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	10	0.2
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG21	17	0.2
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG22	17	0.2
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG23	17	0.2
(1,1844)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	19	0.2
(1,1844)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	19	0.2
(1,1844)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	19	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1843)	1:396:A:VAL:HG11	1:452:A:PHE:HA	7	0.2
(1,1843)	1:396:A:VAL:HG12	1:452:A:PHE:HA	7	0.2
(1,1843)	1:396:A:VAL:HG13	1:452:A:PHE:HA	7	0.2
(1,1819)	1:417:A:ASN:HA	1:418:A:ARG:HB2	18	0.2
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	11	0.2
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	11	0.2
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	11	0.2
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	19	0.2
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	19	0.2
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	19	0.2
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	14	0.2
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB1	15	0.2
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB2	15	0.2
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB3	15	0.2
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	14	0.2
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	4	0.2
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	6	0.2
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	5	0.2
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	7	0.2
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	6	0.2
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD11	10	0.2
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD12	10	0.2
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD13	10	0.2
(1,1516)	1:379:A:LEU:HA	1:380:A:PRO:HG2	1	0.2
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD21	8	0.2
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD22	8	0.2
(1,1514)	1:379:A:LEU:HA	1:379:A:LEU:HD23	8	0.2
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	5	0.2
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	14	0.2
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	1	0.2
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	14	0.2
(1,1464)	1:434:A:ILE:HG12	1:435:A:GLN:H	8	0.2
(1,1458)	1:434:A:ILE:HD11	1:436:A:LEU:HG	9	0.2
(1,1458)	1:434:A:ILE:HD12	1:436:A:LEU:HG	9	0.2
(1,1458)	1:434:A:ILE:HD13	1:436:A:LEU:HG	9	0.2
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG2	5	0.2
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG3	5	0.2
(1,1418)	1:427:A:PHE:HD1	1:428:A:ASP:HB2	3	0.2
(1,1407)	1:426:A:SER:HA	1:430:A:GLU:H	12	0.2
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	16	0.2
(1,1384)	1:424:A:THR:HA	1:434:A:ILE:H	8	0.2
(1,1384)	1:424:A:THR:HA	1:434:A:ILE:H	14	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1328)	1:389:A:ASN:HB2	1:421:A:GLU:HA	1	0.2
(1,1328)	1:389:A:ASN:HB3	1:421:A:GLU:HA	1	0.2
(1,1328)	1:389:A:ASN:HB2	1:421:A:GLU:HA	19	0.2
(1,1328)	1:389:A:ASN:HB3	1:421:A:GLU:HA	19	0.2
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	4	0.2
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	4	0.2
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	4	0.2
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	18	0.2
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG3	14	0.2
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG2	14	0.2
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	5	0.2
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	15	0.2
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD21	4	0.2
(1,1110)	1:440:A:ASN:HA	1:440:A:ASN:HD22	4	0.2
(1,1103)	1:426:A:SER:H	1:432:A:HIS:H	2	0.2
(1,1103)	1:426:A:SER:H	1:432:A:HIS:H	7	0.2
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	11	0.2
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	18	0.2
(1,1070)	1:397:A:GLN:HE21	1:422:A:VAL:H	2	0.2
(1,1070)	1:397:A:GLN:HE22	1:422:A:VAL:H	2	0.2
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	6	0.2
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	20	0.2
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	18	0.2
(1,1045)	1:357:A:VAL:H	1:386:A:GLY:HA2	6	0.2
(1,1045)	1:357:A:VAL:H	1:386:A:GLY:HA2	17	0.2
(1,1041)	1:359:A:VAL:H	1:383:A:PHE:HB2	3	0.2
(1,1041)	1:359:A:VAL:H	1:383:A:PHE:HB2	13	0.2
(1,1028)	1:367:A:PHE:H	1:367:A:PHE:HD1	16	0.2
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD21	19	0.2
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD22	19	0.2
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	8	0.2
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	13	0.2
(1,1006)	1:457:A:GLN:HA	1:457:A:GLN:HE21	17	0.2
(1,1006)	1:457:A:GLN:HA	1:457:A:GLN:HE22	17	0.2
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE21	12	0.2
(1,994)	1:374:A:LYS:HE2	1:378:A:GLN:HE22	12	0.2
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE21	12	0.2
(1,994)	1:374:A:LYS:HE3	1:378:A:GLN:HE22	12	0.2
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	5	0.2
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	5	0.2
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	5	0.2
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	13	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	5	0.2
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	5	0.2
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	5	0.2
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	13	0.2
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	13	0.2
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	13	0.2
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	17	0.2
(1,883)	1:357:A:VAL:H	1:384:A:GLY:HA3	12	0.2
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	3	0.2
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	11	0.2
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	11	0.2
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	11	0.2
(1,817)	1:365:A:GLY:H	1:366:A:ASN:HA	5	0.2
(1,812)	1:363:A:LYS:HB3	1:365:A:GLY:H	15	0.2
(1,804)	1:360:A:TYR:HA	1:382:A:HIS:H	17	0.2
(1,795)	1:378:A:GLN:H	1:379:A:LEU:HG	6	0.2
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	10	0.2
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	12	0.2
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	13	0.2
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	17	0.2
(1,754)	1:400:A:VAL:HB	1:403:A:ALA:H	8	0.2
(1,752)	1:371:A:LEU:HD21	1:403:A:ALA:H	12	0.2
(1,752)	1:371:A:LEU:HD22	1:403:A:ALA:H	12	0.2
(1,752)	1:371:A:LEU:HD23	1:403:A:ALA:H	12	0.2
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	19	0.2
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	19	0.2
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	19	0.2
(1,740)	1:360:A:TYR:H	1:360:A:TYR:HD1	4	0.2
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	2	0.2
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	4	0.2
(1,658)	1:363:A:LYS:H	1:364:A:HIS:HB2	6	0.2
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	2	0.2
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	2	0.2
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	2	0.2
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	11	0.2
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	11	0.2
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	11	0.2
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	16	0.2
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	16	0.2
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	16	0.2
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	18	0.2
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	18	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	18	0.2
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	9	0.2
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	12	0.2
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	12	0.2
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	18	0.2
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	18	0.2
(1,625)	1:366:A:ASN:HB2	1:367:A:PHE:H	3	0.2
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	1	0.2
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	8	0.2
(1,580)	1:466:A:PRO:HG3	1:468:A:SER:H	5	0.2
(1,557)	1:455:A:SER:H	1:456:A:LEU:HG	19	0.2
(1,536)	1:427:A:PHE:H	1:431:A:THR:HA	3	0.2
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	15	0.2
(1,523)	1:399:A:CYS:HB3	1:400:A:VAL:H	6	0.2
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	6	0.2
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	6	0.2
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	15	0.2
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	5	0.2
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	8	0.2
(1,454)	1:392:A:LEU:HD11	1:448:A:PHE:H	10	0.2
(1,454)	1:392:A:LEU:HD12	1:448:A:PHE:H	10	0.2
(1,454)	1:392:A:LEU:HD13	1:448:A:PHE:H	10	0.2
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	6	0.2
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	9	0.2
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	12	0.2
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	17	0.2
(1,369)	1:463:A:SER:HB3	1:464:A:SER:H	4	0.2
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	6	0.2
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	19	0.2
(1,355)	1:434:A:ILE:HD11	1:435:A:GLN:H	20	0.2
(1,355)	1:434:A:ILE:HD12	1:435:A:GLN:H	20	0.2
(1,355)	1:434:A:ILE:HD13	1:435:A:GLN:H	20	0.2
(1,338)	1:422:A:VAL:H	1:436:A:LEU:H	10	0.2
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	2	0.2
(1,331)	1:406:A:THR:HA	1:410:A:PHE:H	14	0.2
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	10	0.2
(1,283)	1:407:A:LYS:H	1:427:A:PHE:HB2	10	0.2
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	8	0.2
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	8	0.2
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	8	0.2
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	10	0.2
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	10	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	10	0.2
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	8	0.2
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	13	0.2
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	12	0.2
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	13	0.2
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	11	0.2
(1,158)	1:374:A:LYS:H	1:375:A:ARG:HA	18	0.2
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	6	0.2
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	6	0.2
(1,151)	1:380:A:PRO:HG2	1:381:A:ASP:H	14	0.2
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	8	0.2
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	8	0.2
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	8	0.2
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	5	0.2
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	11	0.2
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	5	0.2
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	13	0.2
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	15	0.2
(1,3170)	1:465:A:GLN:H	1:465:A:GLN:HB2	11	0.19
(1,3170)	1:465:A:GLN:H	1:465:A:GLN:HB3	11	0.19
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD11	14	0.19
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD12	14	0.19
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD13	14	0.19
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD21	14	0.19
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD22	14	0.19
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD23	14	0.19
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	1	0.19
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	1	0.19
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	7	0.19
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	7	0.19
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG2	1	0.19
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG3	1	0.19
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG2	18	0.19
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG3	18	0.19
(1,3033)	1:439:A:VAL:HG11	1:444:A:PHE:HA	10	0.19
(1,3033)	1:439:A:VAL:HG12	1:444:A:PHE:HA	10	0.19
(1,3033)	1:439:A:VAL:HG13	1:444:A:PHE:HA	10	0.19
(1,3033)	1:439:A:VAL:HG21	1:444:A:PHE:HA	10	0.19
(1,3033)	1:439:A:VAL:HG22	1:444:A:PHE:HA	10	0.19
(1,3033)	1:439:A:VAL:HG23	1:444:A:PHE:HA	10	0.19
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG11	5	0.19
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG12	5	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG13	5	0.19
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG21	5	0.19
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG22	5	0.19
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG23	5	0.19
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG11	5	0.19
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG12	5	0.19
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG13	5	0.19
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG21	5	0.19
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG22	5	0.19
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG23	5	0.19
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB2	2	0.19
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB3	2	0.19
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	18	0.19
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	18	0.19
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE21	15	0.19
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE21	15	0.19
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE21	15	0.19
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE21	15	0.19
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE21	15	0.19
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE21	15	0.19
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE22	15	0.19
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE22	15	0.19
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE22	15	0.19
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE22	15	0.19
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE22	15	0.19
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE22	15	0.19
(1,2950)	1:420:A:GLY:HA2	1:439:A:VAL:H	17	0.19
(1,2950)	1:420:A:GLY:HA3	1:439:A:VAL:H	17	0.19
(1,2944)	1:418:A:ARG:HD2	1:435:A:GLN:HE21	6	0.19
(1,2944)	1:418:A:ARG:HD3	1:435:A:GLN:HE21	6	0.19
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	6	0.19
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	6	0.19
(1,2933)	1:416:A:ASP:HB2	1:418:A:ARG:H	19	0.19
(1,2933)	1:416:A:ASP:HB3	1:418:A:ARG:H	19	0.19
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	10	0.19
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	10	0.19
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE2	1	0.19
(1,2919)	1:414:A:LYS:HA	1:414:A:LYS:HE3	1	0.19
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	1	0.19
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	1	0.19
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	1	0.19
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	1	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	1	0.19
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	1	0.19
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	15	0.19
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	15	0.19
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	15	0.19
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	15	0.19
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	15	0.19
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	15	0.19
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	5	0.19
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	5	0.19
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	5	0.19
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	5	0.19
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	5	0.19
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	5	0.19
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	10	0.19
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	10	0.19
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	10	0.19
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	10	0.19
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	10	0.19
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	10	0.19
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	13	0.19
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	13	0.19
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	13	0.19
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	13	0.19
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	13	0.19
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	13	0.19
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	15	0.19
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	15	0.19
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	15	0.19
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	15	0.19
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	15	0.19
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	15	0.19
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	15	0.19
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	15	0.19
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	15	0.19
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	15	0.19
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	15	0.19
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	15	0.19
(1,2848)	1:400:A:VAL:HG11	1:425:A:ALA:HA	11	0.19
(1,2848)	1:400:A:VAL:HG12	1:425:A:ALA:HA	11	0.19
(1,2848)	1:400:A:VAL:HG13	1:425:A:ALA:HA	11	0.19
(1,2848)	1:400:A:VAL:HG21	1:425:A:ALA:HA	11	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:400:A:VAL:HG22	1:425:A:ALA:HA	11	0.19
(1,2848)	1:400:A:VAL:HG23	1:425:A:ALA:HA	11	0.19
(1,2847)	1:400:A:VAL:HG11	1:424:A:THR:HA	2	0.19
(1,2847)	1:400:A:VAL:HG12	1:424:A:THR:HA	2	0.19
(1,2847)	1:400:A:VAL:HG13	1:424:A:THR:HA	2	0.19
(1,2847)	1:400:A:VAL:HG21	1:424:A:THR:HA	2	0.19
(1,2847)	1:400:A:VAL:HG22	1:424:A:THR:HA	2	0.19
(1,2847)	1:400:A:VAL:HG23	1:424:A:THR:HA	2	0.19
(1,2808)	1:398:A:ALA:H	1:399:A:CYS:HB2	8	0.19
(1,2808)	1:398:A:ALA:H	1:399:A:CYS:HB3	8	0.19
(1,2801)	1:396:A:VAL:HG11	1:424:A:THR:H	2	0.19
(1,2801)	1:396:A:VAL:HG12	1:424:A:THR:H	2	0.19
(1,2801)	1:396:A:VAL:HG13	1:424:A:THR:H	2	0.19
(1,2801)	1:396:A:VAL:HG21	1:424:A:THR:H	2	0.19
(1,2801)	1:396:A:VAL:HG22	1:424:A:THR:H	2	0.19
(1,2801)	1:396:A:VAL:HG23	1:424:A:THR:H	2	0.19
(1,2801)	1:396:A:VAL:HG11	1:424:A:THR:H	8	0.19
(1,2801)	1:396:A:VAL:HG12	1:424:A:THR:H	8	0.19
(1,2801)	1:396:A:VAL:HG13	1:424:A:THR:H	8	0.19
(1,2801)	1:396:A:VAL:HG21	1:424:A:THR:H	8	0.19
(1,2801)	1:396:A:VAL:HG22	1:424:A:THR:H	8	0.19
(1,2801)	1:396:A:VAL:HG23	1:424:A:THR:H	8	0.19
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	6	0.19
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	6	0.19
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	6	0.19
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	6	0.19
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	6	0.19
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	6	0.19
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG11	16	0.19
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG12	16	0.19
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG13	16	0.19
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG21	16	0.19
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG22	16	0.19
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG23	16	0.19
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD11	10	0.19
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD12	10	0.19
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD13	10	0.19
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD21	10	0.19
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD22	10	0.19
(1,2774)	1:395:A:ILE:HD11	1:449:A:LEU:HD23	10	0.19
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD11	10	0.19
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD12	10	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD13	10	0.19
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD21	10	0.19
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD22	10	0.19
(1,2774)	1:395:A:ILE:HD12	1:449:A:LEU:HD23	10	0.19
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD11	10	0.19
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD12	10	0.19
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD13	10	0.19
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD21	10	0.19
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD22	10	0.19
(1,2774)	1:395:A:ILE:HD13	1:449:A:LEU:HD23	10	0.19
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	4	0.19
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	4	0.19
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	4	0.19
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	4	0.19
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	4	0.19
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	4	0.19
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG11	17	0.19
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG12	17	0.19
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG13	17	0.19
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG21	17	0.19
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG22	17	0.19
(1,2669)	1:388:A:VAL:HA	1:391:A:VAL:HG23	17	0.19
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG11	19	0.19
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG12	19	0.19
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG13	19	0.19
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG21	19	0.19
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG22	19	0.19
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG23	19	0.19
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	8	0.19
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	8	0.19
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	8	0.19
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	8	0.19
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	8	0.19
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	8	0.19
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	9	0.19
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	9	0.19
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	9	0.19
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	9	0.19
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	9	0.19
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	9	0.19
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG11	19	0.19
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG12	19	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG13	19	0.19
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG21	19	0.19
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG22	19	0.19
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG23	19	0.19
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG11	1	0.19
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG12	1	0.19
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG13	1	0.19
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG21	1	0.19
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG22	1	0.19
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG23	1	0.19
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	7	0.19
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	7	0.19
(1,2626)	1:372:A:ASP:HB2	1:376:A:ILE:H	20	0.19
(1,2626)	1:372:A:ASP:HB3	1:376:A:ILE:H	20	0.19
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD2	18	0.19
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD3	18	0.19
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD2	18	0.19
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD3	18	0.19
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	4	0.19
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	4	0.19
(1,2580)	1:368:A:GLY:H	1:458:A:CYS:HB2	17	0.19
(1,2580)	1:368:A:GLY:H	1:458:A:CYS:HB3	17	0.19
(1,2574)	1:366:A:ASN:HD21	1:458:A:CYS:HB2	11	0.19
(1,2574)	1:366:A:ASN:HD21	1:458:A:CYS:HB3	11	0.19
(1,2574)	1:366:A:ASN:HD22	1:458:A:CYS:HB2	11	0.19
(1,2574)	1:366:A:ASN:HD22	1:458:A:CYS:HB3	11	0.19
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD11	12	0.19
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD12	12	0.19
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD13	12	0.19
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD21	12	0.19
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD22	12	0.19
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD23	12	0.19
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD11	13	0.19
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD12	13	0.19
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD13	13	0.19
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD21	13	0.19
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD22	13	0.19
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD23	13	0.19
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	3	0.19
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	3	0.19
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	3	0.19
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	3	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	3	0.19
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	3	0.19
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	3	0.19
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	3	0.19
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	4	0.19
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	4	0.19
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	4	0.19
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	4	0.19
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	4	0.19
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	4	0.19
(1,2465)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	6	0.19
(1,2465)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	6	0.19
(1,2465)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	6	0.19
(1,2465)	1:359:A:VAL:HG21	1:383:A:PHE:HB3	6	0.19
(1,2465)	1:359:A:VAL:HG22	1:383:A:PHE:HB3	6	0.19
(1,2465)	1:359:A:VAL:HG23	1:383:A:PHE:HB3	6	0.19
(1,2465)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	17	0.19
(1,2465)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	17	0.19
(1,2465)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	17	0.19
(1,2465)	1:359:A:VAL:HG21	1:383:A:PHE:HB3	17	0.19
(1,2465)	1:359:A:VAL:HG22	1:383:A:PHE:HB3	17	0.19
(1,2465)	1:359:A:VAL:HG23	1:383:A:PHE:HB3	17	0.19
(1,2461)	1:359:A:VAL:HG11	1:360:A:TYR:HA	15	0.19
(1,2461)	1:359:A:VAL:HG12	1:360:A:TYR:HA	15	0.19
(1,2461)	1:359:A:VAL:HG13	1:360:A:TYR:HA	15	0.19
(1,2461)	1:359:A:VAL:HG21	1:360:A:TYR:HA	15	0.19
(1,2461)	1:359:A:VAL:HG22	1:360:A:TYR:HA	15	0.19
(1,2461)	1:359:A:VAL:HG23	1:360:A:TYR:HA	15	0.19
(1,2460)	1:359:A:VAL:HG11	1:360:A:TYR:H	11	0.19
(1,2460)	1:359:A:VAL:HG12	1:360:A:TYR:H	11	0.19
(1,2460)	1:359:A:VAL:HG13	1:360:A:TYR:H	11	0.19
(1,2460)	1:359:A:VAL:HG21	1:360:A:TYR:H	11	0.19
(1,2460)	1:359:A:VAL:HG22	1:360:A:TYR:H	11	0.19
(1,2460)	1:359:A:VAL:HG23	1:360:A:TYR:H	11	0.19
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG11	10	0.19
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG12	10	0.19
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG13	10	0.19
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG21	10	0.19
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG22	10	0.19
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG23	10	0.19
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	9	0.19
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	9	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	9	0.19
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	9	0.19
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	9	0.19
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	9	0.19
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	17	0.19
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	17	0.19
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	17	0.19
(1,2373)	1:376:A:ILE:HD11	1:399:A:CYS:HB2	1	0.19
(1,2373)	1:376:A:ILE:HD12	1:399:A:CYS:HB2	1	0.19
(1,2373)	1:376:A:ILE:HD13	1:399:A:CYS:HB2	1	0.19
(1,2373)	1:376:A:ILE:HD11	1:399:A:CYS:HB2	5	0.19
(1,2373)	1:376:A:ILE:HD12	1:399:A:CYS:HB2	5	0.19
(1,2373)	1:376:A:ILE:HD13	1:399:A:CYS:HB2	5	0.19
(1,2373)	1:376:A:ILE:HD11	1:399:A:CYS:HB2	14	0.19
(1,2373)	1:376:A:ILE:HD12	1:399:A:CYS:HB2	14	0.19
(1,2373)	1:376:A:ILE:HD13	1:399:A:CYS:HB2	14	0.19
(1,2361)	1:376:A:ILE:HA	1:378:A:GLN:HB2	11	0.19
(1,2361)	1:376:A:ILE:HA	1:378:A:GLN:HB2	18	0.19
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	16	0.19
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	17	0.19
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	15	0.19
(1,2317)	1:357:A:VAL:HA	1:358:A:CYS:HB2	18	0.19
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	8	0.19
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	8	0.19
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	8	0.19
(1,2311)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	14	0.19
(1,2311)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	14	0.19
(1,2311)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	14	0.19
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	15	0.19
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	20	0.19
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	12	0.19
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	12	0.19
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	12	0.19
(1,2237)	1:371:A:LEU:HB3	1:403:A:ALA:HA	17	0.19
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	15	0.19
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	6	0.19
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	19	0.19
(1,2189)	1:410:A:PHE:HA	1:425:A:ALA:HB1	17	0.19
(1,2189)	1:410:A:PHE:HA	1:425:A:ALA:HB2	17	0.19
(1,2189)	1:410:A:PHE:HA	1:425:A:ALA:HB3	17	0.19
(1,2187)	1:425:A:ALA:HB1	1:433:A:SER:HA	14	0.19
(1,2187)	1:425:A:ALA:HB2	1:433:A:SER:HA	14	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2187)	1:425:A:ALA:HB3	1:433:A:SER:HA	14	0.19
(1,2187)	1:425:A:ALA:HB1	1:433:A:SER:HA	15	0.19
(1,2187)	1:425:A:ALA:HB2	1:433:A:SER:HA	15	0.19
(1,2187)	1:425:A:ALA:HB3	1:433:A:SER:HA	15	0.19
(1,2173)	1:357:A:VAL:HA	1:442:A:ALA:HA	7	0.19
(1,2173)	1:357:A:VAL:HA	1:442:A:ALA:HA	15	0.19
(1,2149)	1:439:A:VAL:HG11	1:444:A:PHE:HB2	8	0.19
(1,2149)	1:439:A:VAL:HG12	1:444:A:PHE:HB2	8	0.19
(1,2149)	1:439:A:VAL:HG13	1:444:A:PHE:HB2	8	0.19
(1,2112)	1:446:A:LEU:HD21	1:464:A:SER:HA	7	0.19
(1,2112)	1:446:A:LEU:HD22	1:464:A:SER:HA	7	0.19
(1,2112)	1:446:A:LEU:HD23	1:464:A:SER:HA	7	0.19
(1,2112)	1:446:A:LEU:HD21	1:464:A:SER:HA	16	0.19
(1,2112)	1:446:A:LEU:HD22	1:464:A:SER:HA	16	0.19
(1,2112)	1:446:A:LEU:HD23	1:464:A:SER:HA	16	0.19
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD21	11	0.19
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD22	11	0.19
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD23	11	0.19
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	1	0.19
(1,2041)	1:389:A:ASN:HA	1:421:A:GLU:HG3	12	0.19
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	13	0.19
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	18	0.19
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD11	7	0.19
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD12	7	0.19
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD13	7	0.19
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD11	14	0.19
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD12	14	0.19
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD13	14	0.19
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD11	20	0.19
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD12	20	0.19
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD13	20	0.19
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	15	0.19
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	17	0.19
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB1	14	0.19
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB2	14	0.19
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB3	14	0.19
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	6	0.19
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	6	0.19
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	18	0.19
(1,1927)	1:371:A:LEU:HD21	1:402:A:CYS:H	9	0.19
(1,1927)	1:371:A:LEU:HD22	1:402:A:CYS:H	9	0.19
(1,1927)	1:371:A:LEU:HD23	1:402:A:CYS:H	9	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1918)	1:379:A:LEU:HD11	1:380:A:PRO:HG3	18	0.19
(1,1918)	1:379:A:LEU:HD12	1:380:A:PRO:HG3	18	0.19
(1,1918)	1:379:A:LEU:HD13	1:380:A:PRO:HG3	18	0.19
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	15	0.19
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	16	0.19
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	6	0.19
(1,1876)	1:447:A:ARG:HG2	1:448:A:PHE:HA	17	0.19
(1,1876)	1:447:A:ARG:HG3	1:448:A:PHE:HA	17	0.19
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	6	0.19
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	6	0.19
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	6	0.19
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	10	0.19
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	10	0.19
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	10	0.19
(1,1842)	1:371:A:LEU:HD21	1:402:A:CYS:HA	2	0.19
(1,1842)	1:371:A:LEU:HD22	1:402:A:CYS:HA	2	0.19
(1,1842)	1:371:A:LEU:HD23	1:402:A:CYS:HA	2	0.19
(1,1833)	1:396:A:VAL:HG21	1:423:A:ILE:HG13	16	0.19
(1,1833)	1:396:A:VAL:HG22	1:423:A:ILE:HG13	16	0.19
(1,1833)	1:396:A:VAL:HG23	1:423:A:ILE:HG13	16	0.19
(1,1830)	1:396:A:VAL:HA	1:423:A:ILE:HG13	10	0.19
(1,1824)	1:396:A:VAL:HA	1:399:A:CYS:H	4	0.19
(1,1818)	1:451:A:ASN:HA	1:454:A:HIS:H	15	0.19
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	1	0.19
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	1	0.19
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	1	0.19
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	12	0.19
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	12	0.19
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	12	0.19
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	16	0.19
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	16	0.19
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	16	0.19
(1,1807)	1:400:A:VAL:HG21	1:409:A:VAL:HB	5	0.19
(1,1807)	1:400:A:VAL:HG22	1:409:A:VAL:HB	5	0.19
(1,1807)	1:400:A:VAL:HG23	1:409:A:VAL:HB	5	0.19
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	3	0.19
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	3	0.19
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	3	0.19
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	2	0.19
(1,1786)	1:406:A:THR:HB	1:427:A:PHE:HD1	6	0.19
(1,1755)	1:360:A:TYR:HE1	1:466:A:PRO:HB2	13	0.19
(1,1736)	1:460:A:ASN:HA	1:461:A:LEU:HB2	2	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1726)	1:360:A:TYR:HD1	1:466:A:PRO:HA	6	0.19
(1,1663)	1:407:A:LYS:HA	1:427:A:PHE:HE1	15	0.19
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	15	0.19
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	15	0.19
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	7	0.19
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB1	20	0.19
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB2	20	0.19
(1,1622)	1:376:A:ILE:HG21	1:398:A:ALA:HB3	20	0.19
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB1	20	0.19
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB2	20	0.19
(1,1622)	1:376:A:ILE:HG22	1:398:A:ALA:HB3	20	0.19
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB1	20	0.19
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB2	20	0.19
(1,1622)	1:376:A:ILE:HG23	1:398:A:ALA:HB3	20	0.19
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	6	0.19
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	17	0.19
(1,1580)	1:379:A:LEU:HD11	1:380:A:PRO:HD2	10	0.19
(1,1580)	1:379:A:LEU:HD12	1:380:A:PRO:HD2	10	0.19
(1,1580)	1:379:A:LEU:HD13	1:380:A:PRO:HD2	10	0.19
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB1	14	0.19
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB2	14	0.19
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB3	14	0.19
(1,1553)	1:392:A:LEU:HG	1:393:A:ARG:HA	6	0.19
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	8	0.19
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	19	0.19
(1,1529)	1:386:A:GLY:HA3	1:387:A:PRO:HG2	4	0.19
(1,1529)	1:386:A:GLY:HA3	1:387:A:PRO:HG2	5	0.19
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG21	17	0.19
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG22	17	0.19
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG23	17	0.19
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	19	0.19
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	7	0.19
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	7	0.19
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	8	0.19
(1,1458)	1:434:A:ILE:HD11	1:436:A:LEU:HG	12	0.19
(1,1458)	1:434:A:ILE:HD12	1:436:A:LEU:HG	12	0.19
(1,1458)	1:434:A:ILE:HD13	1:436:A:LEU:HG	12	0.19
(1,1458)	1:434:A:ILE:HD11	1:436:A:LEU:HG	19	0.19
(1,1458)	1:434:A:ILE:HD12	1:436:A:LEU:HG	19	0.19
(1,1458)	1:434:A:ILE:HD13	1:436:A:LEU:HG	19	0.19
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	1	0.19
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	1	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	1	0.19
(1,1438)	1:354:A:MET:HB2	1:440:A:ASN:H	9	0.19
(1,1438)	1:354:A:MET:HB3	1:440:A:ASN:H	9	0.19
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	8	0.19
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	8	0.19
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	8	0.19
(1,1428)	1:430:A:GLU:HA	1:431:A:THR:HB	16	0.19
(1,1424)	1:430:A:GLU:HG2	1:431:A:THR:H	18	0.19
(1,1424)	1:430:A:GLU:HG3	1:431:A:THR:H	18	0.19
(1,1394)	1:424:A:THR:HB	1:433:A:SER:HA	18	0.19
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	14	0.19
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	14	0.19
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	14	0.19
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	6	0.19
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	6	0.19
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	6	0.19
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	8	0.19
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	14	0.19
(1,1314)	1:436:A:LEU:HG	1:437:A:PRO:HD3	15	0.19
(1,1196)	1:366:A:ASN:H	1:461:A:LEU:HA	20	0.19
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	8	0.19
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	10	0.19
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	13	0.19
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	11	0.19
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	11	0.19
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	17	0.19
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	17	0.19
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	9	0.19
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	18	0.19
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	10	0.19
(1,1149)	1:410:A:PHE:HA	1:413:A:LEU:HG	16	0.19
(1,1142)	1:467:A:PHE:H	1:467:A:PHE:HE1	1	0.19
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	19	0.19
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	9	0.19
(1,1123)	1:449:A:LEU:HG	1:450:A:GLU:H	1	0.19
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	2	0.19
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	18	0.19
(1,1095)	1:421:A:GLU:H	1:437:A:PRO:HD2	19	0.19
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	15	0.19
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	18	0.19
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	10	0.19
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	10	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD21	4	0.19
(1,1026)	1:366:A:ASN:HA	1:460:A:ASN:HD22	4	0.19
(1,1023)	1:377:A:GLN:H	1:378:A:GLN:HB2	3	0.19
(1,1023)	1:377:A:GLN:H	1:378:A:GLN:HB2	5	0.19
(1,956)	1:389:A:ASN:H	1:439:A:VAL:H	6	0.19
(1,956)	1:389:A:ASN:H	1:439:A:VAL:H	12	0.19
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	7	0.19
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	7	0.19
(1,933)	1:392:A:LEU:HA	1:449:A:LEU:H	13	0.19
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	1	0.19
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	1	0.19
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	1	0.19
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	7	0.19
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	7	0.19
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	7	0.19
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	17	0.19
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	17	0.19
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	17	0.19
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	20	0.19
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	20	0.19
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	20	0.19
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD2	19	0.19
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD3	19	0.19
(1,909)	1:406:A:THR:HB	1:426:A:SER:H	20	0.19
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	19	0.19
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	19	0.19
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	19	0.19
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	7	0.19
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	19	0.19
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	4	0.19
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	8	0.19
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	8	0.19
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	8	0.19
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	8	0.19
(1,837)	1:440:A:ASN:HA	1:441:A:SER:H	12	0.19
(1,810)	1:380:A:PRO:HG2	1:382:A:HIS:H	19	0.19
(1,796)	1:376:A:ILE:HD11	1:378:A:GLN:H	9	0.19
(1,796)	1:376:A:ILE:HD12	1:378:A:GLN:H	9	0.19
(1,796)	1:376:A:ILE:HD13	1:378:A:GLN:H	9	0.19
(1,787)	1:377:A:GLN:H	1:378:A:GLN:HG2	12	0.19
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	1	0.19
(1,756)	1:400:A:VAL:HA	1:403:A:ALA:H	16	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,754)	1:400:A:VAL:HB	1:403:A:ALA:H	2	0.19
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	11	0.19
(1,692)	1:359:A:VAL:H	1:385:A:PRO:HA	12	0.19
(1,669)	1:416:A:ASP:H	1:435:A:GLN:HA	7	0.19
(1,658)	1:363:A:LYS:H	1:364:A:HIS:HB2	8	0.19
(1,658)	1:363:A:LYS:H	1:364:A:HIS:HB2	16	0.19
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	10	0.19
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	10	0.19
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	10	0.19
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	20	0.19
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	20	0.19
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	20	0.19
(1,647)	1:406:A:THR:HG21	1:425:A:ALA:H	11	0.19
(1,647)	1:406:A:THR:HG22	1:425:A:ALA:H	11	0.19
(1,647)	1:406:A:THR:HG23	1:425:A:ALA:H	11	0.19
(1,644)	1:450:A:GLU:H	1:452:A:PHE:HB3	1	0.19
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	5	0.19
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	16	0.19
(1,633)	1:359:A:VAL:HA	1:465:A:GLN:H	15	0.19
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	3	0.19
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	3	0.19
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	19	0.19
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	19	0.19
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	12	0.19
(1,614)	1:444:A:PHE:H	1:446:A:LEU:H	7	0.19
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD21	16	0.19
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD22	16	0.19
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD23	16	0.19
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	17	0.19
(1,570)	1:445:A:ALA:HB1	1:447:A:ARG:H	11	0.19
(1,570)	1:445:A:ALA:HB2	1:447:A:ARG:H	11	0.19
(1,570)	1:445:A:ALA:HB3	1:447:A:ARG:H	11	0.19
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	13	0.19
(1,514)	1:451:A:ASN:H	1:453:A:CYS:H	1	0.19
(1,510)	1:418:A:ARG:H	1:418:A:ARG:HD2	3	0.19
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	11	0.19
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	6	0.19
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	6	0.19
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	19	0.19
(1,482)	1:361:A:VAL:H	1:382:A:HIS:H	20	0.19
(1,479)	1:361:A:VAL:H	1:381:A:ASP:HA	13	0.19
(1,478)	1:359:A:VAL:HA	1:361:A:VAL:H	7	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:372:A:ASP:H	1:373:A:PRO:HD3	2	0.19
(1,435)	1:372:A:ASP:H	1:375:A:ARG:H	8	0.19
(1,435)	1:372:A:ASP:H	1:375:A:ARG:H	11	0.19
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	11	0.19
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	13	0.19
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	15	0.19
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	5	0.19
(1,382)	1:417:A:ASN:H	1:418:A:ARG:HB2	5	0.19
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG2	12	0.19
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG3	12	0.19
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG2	17	0.19
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG3	17	0.19
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG2	20	0.19
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG3	20	0.19
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	16	0.19
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	20	0.19
(1,338)	1:422:A:VAL:H	1:436:A:LEU:H	13	0.19
(1,334)	1:366:A:ASN:HB2	1:459:A:ASP:H	10	0.19
(1,299)	1:425:A:ALA:HB1	1:426:A:SER:H	3	0.19
(1,299)	1:425:A:ALA:HB2	1:426:A:SER:H	3	0.19
(1,299)	1:425:A:ALA:HB3	1:426:A:SER:H	3	0.19
(1,284)	1:407:A:LYS:H	1:407:A:LYS:HE3	1	0.19
(1,274)	1:446:A:LEU:H	1:448:A:PHE:HB2	8	0.19
(1,261)	1:388:A:VAL:HA	1:392:A:LEU:H	20	0.19
(1,242)	1:427:A:PHE:H	1:430:A:GLU:H	6	0.19
(1,240)	1:428:A:ASP:HA	1:430:A:GLU:H	9	0.19
(1,237)	1:430:A:GLU:H	1:430:A:GLU:HG2	10	0.19
(1,237)	1:430:A:GLU:H	1:430:A:GLU:HG3	10	0.19
(1,232)	1:410:A:PHE:HA	1:412:A:TYR:H	6	0.19
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	11	0.19
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	15	0.19
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	17	0.19
(1,198)	1:405:A:GLU:HA	1:408:A:THR:H	5	0.19
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	3	0.19
(1,189)	1:364:A:HIS:H	1:461:A:LEU:HA	13	0.19
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	8	0.19
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	13	0.19
(1,158)	1:374:A:LYS:H	1:375:A:ARG:HA	16	0.19
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	7	0.19
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	7	0.19
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	7	0.19
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	15	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	15	0.19
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	15	0.19
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	13	0.19
(1,128)	1:426:A:SER:HA	1:431:A:THR:H	16	0.19
(1,126)	1:431:A:THR:H	1:431:A:THR:HB	7	0.19
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	6	0.19
(1,60)	1:384:A:GLY:H	1:386:A:GLY:H	5	0.19
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	3	0.19
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	8	0.19
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	20	0.19
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	2	0.19
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	3	0.19
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	14	0.19
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD11	14	0.18
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD12	14	0.18
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD13	14	0.18
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD21	14	0.18
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD22	14	0.18
(1,3136)	1:459:A:ASP:HA	1:462:A:LEU:HD23	14	0.18
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	11	0.18
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	11	0.18
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	18	0.18
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	18	0.18
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	1	0.18
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	1	0.18
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	12	0.18
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	12	0.18
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	12	0.18
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	12	0.18
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	12	0.18
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	12	0.18
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	12	0.18
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	12	0.18
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB2	3	0.18
(1,3101)	1:452:A:PHE:H	1:453:A:CYS:HB3	3	0.18
(1,3100)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	8	0.18
(1,3100)	1:451:A:ASN:HD21	1:454:A:HIS:HB3	8	0.18
(1,3100)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	8	0.18
(1,3100)	1:451:A:ASN:HD22	1:454:A:HIS:HB3	8	0.18
(1,3100)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	18	0.18
(1,3100)	1:451:A:ASN:HD21	1:454:A:HIS:HB3	18	0.18
(1,3100)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	18	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3100)	1:451:A:ASN:HD22	1:454:A:HIS:HB3	18	0.18
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG2	6	0.18
(1,3078)	1:449:A:LEU:H	1:450:A:GLU:HG3	6	0.18
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG11	3	0.18
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG12	3	0.18
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG13	3	0.18
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG21	3	0.18
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG22	3	0.18
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG23	3	0.18
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG11	3	0.18
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG12	3	0.18
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG13	3	0.18
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG21	3	0.18
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG22	3	0.18
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG23	3	0.18
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG11	18	0.18
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG12	18	0.18
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG13	18	0.18
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG21	18	0.18
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG22	18	0.18
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG23	18	0.18
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG11	18	0.18
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG12	18	0.18
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG13	18	0.18
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG21	18	0.18
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG22	18	0.18
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG23	18	0.18
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG11	3	0.18
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG12	3	0.18
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG13	3	0.18
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG21	3	0.18
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG22	3	0.18
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG23	3	0.18
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	4	0.18
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	4	0.18
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	15	0.18
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	15	0.18
(1,2935)	1:416:A:ASP:HB2	1:435:A:GLN:H	2	0.18
(1,2935)	1:416:A:ASP:HB3	1:435:A:GLN:H	2	0.18
(1,2915)	1:414:A:LYS:H	1:414:A:LYS:HB2	13	0.18
(1,2915)	1:414:A:LYS:H	1:414:A:LYS:HB3	13	0.18
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	14	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	14	0.18
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	14	0.18
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	14	0.18
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	14	0.18
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	14	0.18
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	10	0.18
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	10	0.18
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	10	0.18
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	10	0.18
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	10	0.18
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	10	0.18
(1,2847)	1:400:A:VAL:HG11	1:424:A:THR:HA	14	0.18
(1,2847)	1:400:A:VAL:HG12	1:424:A:THR:HA	14	0.18
(1,2847)	1:400:A:VAL:HG13	1:424:A:THR:HA	14	0.18
(1,2847)	1:400:A:VAL:HG21	1:424:A:THR:HA	14	0.18
(1,2847)	1:400:A:VAL:HG22	1:424:A:THR:HA	14	0.18
(1,2847)	1:400:A:VAL:HG23	1:424:A:THR:HA	14	0.18
(1,2831)	1:400:A:VAL:HG11	1:403:A:ALA:H	19	0.18
(1,2831)	1:400:A:VAL:HG12	1:403:A:ALA:H	19	0.18
(1,2831)	1:400:A:VAL:HG13	1:403:A:ALA:H	19	0.18
(1,2831)	1:400:A:VAL:HG21	1:403:A:ALA:H	19	0.18
(1,2831)	1:400:A:VAL:HG22	1:403:A:ALA:H	19	0.18
(1,2831)	1:400:A:VAL:HG23	1:403:A:ALA:H	19	0.18
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	13	0.18
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	13	0.18
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	13	0.18
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	13	0.18
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	13	0.18
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	13	0.18
(1,2796)	1:396:A:VAL:HG11	1:423:A:ILE:H	7	0.18
(1,2796)	1:396:A:VAL:HG12	1:423:A:ILE:H	7	0.18
(1,2796)	1:396:A:VAL:HG13	1:423:A:ILE:H	7	0.18
(1,2796)	1:396:A:VAL:HG21	1:423:A:ILE:H	7	0.18
(1,2796)	1:396:A:VAL:HG22	1:423:A:ILE:H	7	0.18
(1,2796)	1:396:A:VAL:HG23	1:423:A:ILE:H	7	0.18
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	4	0.18
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	4	0.18
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	4	0.18
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	4	0.18
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	4	0.18
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	4	0.18
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	19	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	19	0.18
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	19	0.18
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	19	0.18
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	19	0.18
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	19	0.18
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG11	20	0.18
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG12	20	0.18
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG13	20	0.18
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG21	20	0.18
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG22	20	0.18
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG23	20	0.18
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	7	0.18
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	7	0.18
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	7	0.18
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	7	0.18
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	7	0.18
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	7	0.18
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	15	0.18
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	15	0.18
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	15	0.18
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	15	0.18
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	15	0.18
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	15	0.18
(1,2711)	1:390:A:VAL:HG11	1:394:A:ARG:H	2	0.18
(1,2711)	1:390:A:VAL:HG12	1:394:A:ARG:H	2	0.18
(1,2711)	1:390:A:VAL:HG13	1:394:A:ARG:H	2	0.18
(1,2711)	1:390:A:VAL:HG21	1:394:A:ARG:H	2	0.18
(1,2711)	1:390:A:VAL:HG22	1:394:A:ARG:H	2	0.18
(1,2711)	1:390:A:VAL:HG23	1:394:A:ARG:H	2	0.18
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	15	0.18
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	15	0.18
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	15	0.18
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	15	0.18
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	15	0.18
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	15	0.18
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	18	0.18
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	18	0.18
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	18	0.18
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	18	0.18
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	18	0.18
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	18	0.18
(1,2704)	1:390:A:VAL:HA	1:421:A:GLU:HG2	9	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:390:A:VAL:HA	1:421:A:GLU:HG3	9	0.18
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG11	1	0.18
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG12	1	0.18
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG13	1	0.18
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG21	1	0.18
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG22	1	0.18
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG23	1	0.18
(1,2626)	1:372:A:ASP:HB2	1:376:A:ILE:H	1	0.18
(1,2626)	1:372:A:ASP:HB3	1:376:A:ILE:H	1	0.18
(1,2626)	1:372:A:ASP:HB2	1:376:A:ILE:H	10	0.18
(1,2626)	1:372:A:ASP:HB3	1:376:A:ILE:H	10	0.18
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD2	15	0.18
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD3	15	0.18
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD2	15	0.18
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD3	15	0.18
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD11	14	0.18
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD12	14	0.18
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD13	14	0.18
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD21	14	0.18
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD22	14	0.18
(1,2602)	1:371:A:LEU:HA	1:404:A:LEU:HD23	14	0.18
(1,2601)	1:371:A:LEU:HA	1:402:A:CYS:HB2	20	0.18
(1,2601)	1:371:A:LEU:HA	1:402:A:CYS:HB3	20	0.18
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG11	18	0.18
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG12	18	0.18
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG13	18	0.18
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG21	18	0.18
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG22	18	0.18
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG23	18	0.18
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG11	18	0.18
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG12	18	0.18
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG13	18	0.18
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG21	18	0.18
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG22	18	0.18
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG23	18	0.18
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	19	0.18
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	19	0.18
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD11	16	0.18
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD12	16	0.18
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD13	16	0.18
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD21	16	0.18
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD22	16	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD23	16	0.18
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD11	4	0.18
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD12	4	0.18
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD13	4	0.18
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD21	4	0.18
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD22	4	0.18
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD23	4	0.18
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	18	0.18
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	18	0.18
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	18	0.18
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	18	0.18
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	18	0.18
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	18	0.18
(1,2507)	1:361:A:VAL:HG11	1:363:A:LYS:HE2	10	0.18
(1,2507)	1:361:A:VAL:HG11	1:363:A:LYS:HE3	10	0.18
(1,2507)	1:361:A:VAL:HG12	1:363:A:LYS:HE2	10	0.18
(1,2507)	1:361:A:VAL:HG12	1:363:A:LYS:HE3	10	0.18
(1,2507)	1:361:A:VAL:HG13	1:363:A:LYS:HE2	10	0.18
(1,2507)	1:361:A:VAL:HG13	1:363:A:LYS:HE3	10	0.18
(1,2507)	1:361:A:VAL:HG21	1:363:A:LYS:HE2	10	0.18
(1,2507)	1:361:A:VAL:HG21	1:363:A:LYS:HE3	10	0.18
(1,2507)	1:361:A:VAL:HG22	1:363:A:LYS:HE2	10	0.18
(1,2507)	1:361:A:VAL:HG22	1:363:A:LYS:HE3	10	0.18
(1,2507)	1:361:A:VAL:HG23	1:363:A:LYS:HE2	10	0.18
(1,2507)	1:361:A:VAL:HG23	1:363:A:LYS:HE3	10	0.18
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	6	0.18
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	6	0.18
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	6	0.18
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	6	0.18
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	6	0.18
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	6	0.18
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	6	0.18
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	6	0.18
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	6	0.18
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	6	0.18
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	6	0.18
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	6	0.18
(1,2469)	1:359:A:VAL:HG11	1:391:A:VAL:HB	10	0.18
(1,2469)	1:359:A:VAL:HG12	1:391:A:VAL:HB	10	0.18
(1,2469)	1:359:A:VAL:HG13	1:391:A:VAL:HB	10	0.18
(1,2469)	1:359:A:VAL:HG21	1:391:A:VAL:HB	10	0.18
(1,2469)	1:359:A:VAL:HG22	1:391:A:VAL:HB	10	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2469)	1:359:A:VAL:HG23	1:391:A:VAL:HB	10	0.18
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	5	0.18
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	5	0.18
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	5	0.18
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	5	0.18
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	5	0.18
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	5	0.18
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	14	0.18
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	14	0.18
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	14	0.18
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	14	0.18
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	14	0.18
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	14	0.18
(1,2433)	1:357:A:VAL:HG11	1:391:A:VAL:HA	18	0.18
(1,2433)	1:357:A:VAL:HG12	1:391:A:VAL:HA	18	0.18
(1,2433)	1:357:A:VAL:HG13	1:391:A:VAL:HA	18	0.18
(1,2433)	1:357:A:VAL:HG21	1:391:A:VAL:HA	18	0.18
(1,2433)	1:357:A:VAL:HG22	1:391:A:VAL:HA	18	0.18
(1,2433)	1:357:A:VAL:HG23	1:391:A:VAL:HA	18	0.18
(1,2404)	1:354:A:MET:HA	1:440:A:ASN:HB2	3	0.18
(1,2404)	1:354:A:MET:HA	1:440:A:ASN:HB3	3	0.18
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	19	0.18
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD11	17	0.18
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD12	17	0.18
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD13	17	0.18
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD11	17	0.18
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD12	17	0.18
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD13	17	0.18
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD11	17	0.18
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD12	17	0.18
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD13	17	0.18
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	5	0.18
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	5	0.18
(1,2333)	1:372:A:ASP:H	1:402:A:CYS:HA	19	0.18
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	14	0.18
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	14	0.18
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	14	0.18
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	5	0.18
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	19	0.18
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB1	7	0.18
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB2	7	0.18
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB3	7	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	3	0.18
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	3	0.18
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	3	0.18
(1,2215)	1:450:A:GLU:HB3	1:451:A:ASN:HB2	3	0.18
(1,2215)	1:450:A:GLU:HB3	1:451:A:ASN:HB3	3	0.18
(1,2213)	1:451:A:ASN:HA	1:453:A:CYS:H	6	0.18
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	12	0.18
(1,2174)	1:442:A:ALA:HA	1:446:A:LEU:H	4	0.18
(1,2149)	1:439:A:VAL:HG11	1:444:A:PHE:HB2	13	0.18
(1,2149)	1:439:A:VAL:HG12	1:444:A:PHE:HB2	13	0.18
(1,2149)	1:439:A:VAL:HG13	1:444:A:PHE:HB2	13	0.18
(1,2132)	1:375:A:ARG:HA	1:375:A:ARG:HD3	7	0.18
(1,2112)	1:446:A:LEU:HD21	1:464:A:SER:HA	3	0.18
(1,2112)	1:446:A:LEU:HD22	1:464:A:SER:HA	3	0.18
(1,2112)	1:446:A:LEU:HD23	1:464:A:SER:HA	3	0.18
(1,2046)	1:399:A:CYS:HA	1:401:A:ASP:H	13	0.18
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD21	15	0.18
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD22	15	0.18
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD23	15	0.18
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD21	15	0.18
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD22	15	0.18
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD23	15	0.18
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD21	15	0.18
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD22	15	0.18
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD23	15	0.18
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD11	17	0.18
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD12	17	0.18
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD13	17	0.18
(1,1977)	1:395:A:ILE:HA	1:398:A:ALA:H	8	0.18
(1,1970)	1:395:A:ILE:HA	1:462:A:LEU:HG	8	0.18
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	16	0.18
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	16	0.18
(1,1914)	1:367:A:PHE:HB2	1:371:A:LEU:HB3	15	0.18
(1,1914)	1:367:A:PHE:HB2	1:371:A:LEU:HB3	19	0.18
(1,1904)	1:400:A:VAL:HG11	1:402:A:CYS:H	3	0.18
(1,1904)	1:400:A:VAL:HG12	1:402:A:CYS:H	3	0.18
(1,1904)	1:400:A:VAL:HG13	1:402:A:CYS:H	3	0.18
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	18	0.18
(1,1885)	1:419:A:GLY:HA3	1:438:A:PRO:HG3	17	0.18
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG21	3	0.18
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG22	3	0.18
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG23	3	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1857)	1:409:A:VAL:HG21	1:412:A:TYR:H	7	0.18
(1,1857)	1:409:A:VAL:HG22	1:412:A:TYR:H	7	0.18
(1,1857)	1:409:A:VAL:HG23	1:412:A:TYR:H	7	0.18
(1,1857)	1:409:A:VAL:HG21	1:412:A:TYR:H	13	0.18
(1,1857)	1:409:A:VAL:HG22	1:412:A:TYR:H	13	0.18
(1,1857)	1:409:A:VAL:HG23	1:412:A:TYR:H	13	0.18
(1,1830)	1:396:A:VAL:HA	1:423:A:ILE:HG13	16	0.18
(1,1819)	1:417:A:ASN:HA	1:418:A:ARG:HB2	9	0.18
(1,1819)	1:417:A:ASN:HA	1:418:A:ARG:HB2	14	0.18
(1,1816)	1:418:A:ARG:HA	1:438:A:PRO:HD2	18	0.18
(1,1807)	1:400:A:VAL:HG21	1:409:A:VAL:HB	3	0.18
(1,1807)	1:400:A:VAL:HG22	1:409:A:VAL:HB	3	0.18
(1,1807)	1:400:A:VAL:HG23	1:409:A:VAL:HB	3	0.18
(1,1795)	1:406:A:THR:HG21	1:427:A:PHE:H	14	0.18
(1,1795)	1:406:A:THR:HG22	1:427:A:PHE:H	14	0.18
(1,1795)	1:406:A:THR:HG23	1:427:A:PHE:H	14	0.18
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB1	10	0.18
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB2	10	0.18
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB3	10	0.18
(1,1752)	1:360:A:TYR:HD1	1:466:A:PRO:HB3	10	0.18
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	19	0.18
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	6	0.18
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	6	0.18
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	7	0.18
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	7	0.18
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	8	0.18
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	8	0.18
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	5	0.18
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	16	0.18
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	20	0.18
(1,1634)	1:380:A:PRO:HG3	1:383:A:PHE:HA	15	0.18
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	2	0.18
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	9	0.18
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB1	8	0.18
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB2	8	0.18
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB3	8	0.18
(1,1577)	1:379:A:LEU:HD21	1:380:A:PRO:HD2	13	0.18
(1,1577)	1:379:A:LEU:HD22	1:380:A:PRO:HD2	13	0.18
(1,1577)	1:379:A:LEU:HD23	1:380:A:PRO:HD2	13	0.18
(1,1575)	1:379:A:LEU:H	1:380:A:PRO:HD3	5	0.18
(1,1575)	1:379:A:LEU:H	1:380:A:PRO:HD3	9	0.18
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	6	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	6	0.18
(1,1513)	1:355:A:SER:HB2	1:388:A:VAL:HG21	13	0.18
(1,1513)	1:355:A:SER:HB2	1:388:A:VAL:HG22	13	0.18
(1,1513)	1:355:A:SER:HB2	1:388:A:VAL:HG23	13	0.18
(1,1513)	1:355:A:SER:HB3	1:388:A:VAL:HG21	13	0.18
(1,1513)	1:355:A:SER:HB3	1:388:A:VAL:HG22	13	0.18
(1,1513)	1:355:A:SER:HB3	1:388:A:VAL:HG23	13	0.18
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG21	3	0.18
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG22	3	0.18
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG23	3	0.18
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG21	8	0.18
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG22	8	0.18
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG23	8	0.18
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	1	0.18
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	6	0.18
(1,1499)	1:388:A:VAL:HA	1:392:A:LEU:HB3	6	0.18
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	20	0.18
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	7	0.18
(1,1458)	1:434:A:ILE:HD11	1:436:A:LEU:HG	16	0.18
(1,1458)	1:434:A:ILE:HD12	1:436:A:LEU:HG	16	0.18
(1,1458)	1:434:A:ILE:HD13	1:436:A:LEU:HG	16	0.18
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	3	0.18
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	3	0.18
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	3	0.18
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	9	0.18
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	9	0.18
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	9	0.18
(1,1431)	1:426:A:SER:HA	1:431:A:THR:HG21	6	0.18
(1,1431)	1:426:A:SER:HA	1:431:A:THR:HG22	6	0.18
(1,1431)	1:426:A:SER:HA	1:431:A:THR:HG23	6	0.18
(1,1431)	1:426:A:SER:HA	1:431:A:THR:HG21	17	0.18
(1,1431)	1:426:A:SER:HA	1:431:A:THR:HG22	17	0.18
(1,1431)	1:426:A:SER:HA	1:431:A:THR:HG23	17	0.18
(1,1414)	1:406:A:THR:HB	1:427:A:PHE:HA	18	0.18
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	4	0.18
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	4	0.18
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	4	0.18
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	8	0.18
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	8	0.18
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	8	0.18
(1,1384)	1:424:A:THR:HA	1:434:A:ILE:H	2	0.18
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	13	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	13	0.18
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	13	0.18
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	20	0.18
(1,1347)	1:423:A:ILE:HB	1:434:A:ILE:HG21	8	0.18
(1,1347)	1:423:A:ILE:HB	1:434:A:ILE:HG22	8	0.18
(1,1347)	1:423:A:ILE:HB	1:434:A:ILE:HG23	8	0.18
(1,1302)	1:438:A:PRO:HG2	1:439:A:VAL:HA	11	0.18
(1,1302)	1:438:A:PRO:HG2	1:439:A:VAL:HA	18	0.18
(1,1300)	1:446:A:LEU:HD11	1:465:A:GLN:H	8	0.18
(1,1300)	1:446:A:LEU:HD12	1:465:A:GLN:H	8	0.18
(1,1300)	1:446:A:LEU:HD13	1:465:A:GLN:H	8	0.18
(1,1274)	1:372:A:ASP:HA	1:404:A:LEU:HD11	19	0.18
(1,1274)	1:372:A:ASP:HA	1:404:A:LEU:HD12	19	0.18
(1,1274)	1:372:A:ASP:HA	1:404:A:LEU:HD13	19	0.18
(1,1267)	1:423:A:ILE:HB	1:433:A:SER:HA	4	0.18
(1,1261)	1:369:A:PRO:HD3	1:457:A:GLN:HG3	3	0.18
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	4	0.18
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	1	0.18
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	3	0.18
(1,1172)	1:363:A:LYS:HE3	1:377:A:GLN:HA	2	0.18
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	15	0.18
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	15	0.18
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	14	0.18
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	7	0.18
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	13	0.18
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	13	0.18
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	13	0.18
(1,1145)	1:410:A:PHE:HA	1:413:A:LEU:HD21	20	0.18
(1,1145)	1:410:A:PHE:HA	1:413:A:LEU:HD22	20	0.18
(1,1145)	1:410:A:PHE:HA	1:413:A:LEU:HD23	20	0.18
(1,1138)	1:358:A:CYS:H	1:464:A:SER:HB2	3	0.18
(1,1135)	1:462:A:LEU:HD11	1:463:A:SER:H	5	0.18
(1,1135)	1:462:A:LEU:HD12	1:463:A:SER:H	5	0.18
(1,1135)	1:462:A:LEU:HD13	1:463:A:SER:H	5	0.18
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	2	0.18
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	10	0.18
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	13	0.18
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	1	0.18
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	10	0.18
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	19	0.18
(1,1105)	1:435:A:GLN:HA	1:435:A:GLN:HE21	8	0.18
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	5	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	7	0.18
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	17	0.18
(1,1100)	1:425:A:ALA:HA	1:432:A:HIS:H	1	0.18
(1,1095)	1:421:A:GLU:H	1:437:A:PRO:HD2	9	0.18
(1,1091)	1:416:A:ASP:HB2	1:418:A:ARG:H	11	0.18
(1,1087)	1:412:A:TYR:HD1	1:413:A:LEU:H	9	0.18
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	17	0.18
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	8	0.18
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	7	0.18
(1,1046)	1:387:A:PRO:HG3	1:390:A:VAL:H	1	0.18
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	6	0.18
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	6	0.18
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	14	0.18
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	14	0.18
(1,956)	1:389:A:ASN:H	1:439:A:VAL:H	1	0.18
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	11	0.18
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	13	0.18
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	16	0.18
(1,943)	1:400:A:VAL:H	1:403:A:ALA:H	20	0.18
(1,933)	1:392:A:LEU:HA	1:449:A:LEU:H	18	0.18
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	2	0.18
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	2	0.18
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	2	0.18
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	12	0.18
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	12	0.18
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	12	0.18
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	18	0.18
(1,858)	1:387:A:PRO:HB3	1:390:A:VAL:H	17	0.18
(1,855)	1:387:A:PRO:HD2	1:390:A:VAL:H	17	0.18
(1,854)	1:387:A:PRO:HA	1:390:A:VAL:H	1	0.18
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	2	0.18
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	2	0.18
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	2	0.18
(1,817)	1:365:A:GLY:H	1:366:A:ASN:HA	13	0.18
(1,817)	1:365:A:GLY:H	1:366:A:ASN:HA	20	0.18
(1,812)	1:363:A:LYS:HB3	1:365:A:GLY:H	16	0.18
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	8	0.18
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	13	0.18
(1,781)	1:376:A:ILE:HA	1:379:A:LEU:H	8	0.18
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	4	0.18
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	8	0.18
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD21	2	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD22	2	0.18
(1,775)	1:379:A:LEU:H	1:379:A:LEU:HD23	2	0.18
(1,771)	1:376:A:ILE:HG21	1:379:A:LEU:H	13	0.18
(1,771)	1:376:A:ILE:HG22	1:379:A:LEU:H	13	0.18
(1,771)	1:376:A:ILE:HG23	1:379:A:LEU:H	13	0.18
(1,766)	1:413:A:LEU:H	1:414:A:LYS:HA	3	0.18
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	15	0.18
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD11	15	0.18
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD12	15	0.18
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD13	15	0.18
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	14	0.18
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	19	0.18
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	3	0.18
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	13	0.18
(1,716)	1:423:A:ILE:H	1:435:A:GLN:H	14	0.18
(1,695)	1:359:A:VAL:H	1:386:A:GLY:H	15	0.18
(1,692)	1:359:A:VAL:H	1:385:A:PRO:HA	14	0.18
(1,658)	1:363:A:LYS:H	1:364:A:HIS:HB2	18	0.18
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	1	0.18
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	1	0.18
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	1	0.18
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	15	0.18
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	15	0.18
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	15	0.18
(1,629)	1:360:A:TYR:H	1:465:A:GLN:H	14	0.18
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	18	0.18
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	16	0.18
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	17	0.18
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	17	0.18
(1,514)	1:451:A:ASN:H	1:453:A:CYS:H	6	0.18
(1,514)	1:451:A:ASN:H	1:453:A:CYS:H	19	0.18
(1,497)	1:395:A:ILE:HD11	1:398:A:ALA:H	4	0.18
(1,497)	1:395:A:ILE:HD12	1:398:A:ALA:H	4	0.18
(1,497)	1:395:A:ILE:HD13	1:398:A:ALA:H	4	0.18
(1,492)	1:397:A:GLN:HB3	1:398:A:ALA:H	8	0.18
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	6	0.18
(1,482)	1:361:A:VAL:H	1:382:A:HIS:H	5	0.18
(1,482)	1:361:A:VAL:H	1:382:A:HIS:H	12	0.18
(1,445)	1:372:A:ASP:H	1:376:A:ILE:HD11	10	0.18
(1,445)	1:372:A:ASP:H	1:376:A:ILE:HD12	10	0.18
(1,445)	1:372:A:ASP:H	1:376:A:ILE:HD13	10	0.18
(1,444)	1:371:A:LEU:HD21	1:372:A:ASP:H	2	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,444)	1:371:A:LEU:HD22	1:372:A:ASP:H	2	0.18
(1,444)	1:371:A:LEU:HD23	1:372:A:ASP:H	2	0.18
(1,444)	1:371:A:LEU:HD21	1:372:A:ASP:H	19	0.18
(1,444)	1:371:A:LEU:HD22	1:372:A:ASP:H	19	0.18
(1,444)	1:371:A:LEU:HD23	1:372:A:ASP:H	19	0.18
(1,414)	1:398:A:ALA:HA	1:401:A:ASP:H	8	0.18
(1,405)	1:433:A:SER:HB3	1:434:A:ILE:H	8	0.18
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	9	0.18
(1,369)	1:463:A:SER:HB3	1:464:A:SER:H	20	0.18
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	1	0.18
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	18	0.18
(1,346)	1:422:A:VAL:H	1:423:A:ILE:HG12	12	0.18
(1,346)	1:422:A:VAL:H	1:423:A:ILE:HG12	17	0.18
(1,273)	1:389:A:ASN:HB2	1:421:A:GLU:H	8	0.18
(1,273)	1:389:A:ASN:HB3	1:421:A:GLU:H	8	0.18
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	15	0.18
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	15	0.18
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	15	0.18
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	16	0.18
(1,202)	1:390:A:VAL:HA	1:393:A:ARG:H	7	0.18
(1,198)	1:405:A:GLU:HA	1:408:A:THR:H	13	0.18
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE21	14	0.18
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE22	14	0.18
(1,158)	1:374:A:LYS:H	1:375:A:ARG:HA	7	0.18
(1,158)	1:374:A:LYS:H	1:375:A:ARG:HA	17	0.18
(1,158)	1:374:A:LYS:H	1:375:A:ARG:HA	19	0.18
(1,151)	1:380:A:PRO:HG2	1:381:A:ASP:H	11	0.18
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG21	4	0.18
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG22	4	0.18
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG23	4	0.18
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG21	10	0.18
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG22	10	0.18
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG23	10	0.18
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	10	0.18
(1,41)	1:419:A:GLY:H	1:437:A:PRO:HA	14	0.18
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG2	12	0.18
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG3	12	0.18
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	4	0.18
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	9	0.18
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD21	12	0.18
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD22	12	0.18
(1,17)	1:368:A:GLY:H	1:371:A:LEU:HD23	12	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	9	0.18
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	14	0.18
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	18	0.17
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	18	0.17
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD11	14	0.17
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD12	14	0.17
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD13	14	0.17
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD21	14	0.17
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD22	14	0.17
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD23	14	0.17
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	4	0.17
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	4	0.17
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	4	0.17
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	4	0.17
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	7	0.17
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	7	0.17
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	7	0.17
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	7	0.17
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	7	0.17
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	7	0.17
(1,3048)	1:443:A:SER:HB2	1:444:A:PHE:HA	14	0.17
(1,3048)	1:443:A:SER:HB3	1:444:A:PHE:HA	14	0.17
(1,3036)	1:439:A:VAL:HG11	1:445:A:ALA:H	3	0.17
(1,3036)	1:439:A:VAL:HG12	1:445:A:ALA:H	3	0.17
(1,3036)	1:439:A:VAL:HG13	1:445:A:ALA:H	3	0.17
(1,3036)	1:439:A:VAL:HG21	1:445:A:ALA:H	3	0.17
(1,3036)	1:439:A:VAL:HG22	1:445:A:ALA:H	3	0.17
(1,3036)	1:439:A:VAL:HG23	1:445:A:ALA:H	3	0.17
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG11	4	0.17
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG12	4	0.17
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG13	4	0.17
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG21	4	0.17
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG22	4	0.17
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG23	4	0.17
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG11	4	0.17
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG12	4	0.17
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG13	4	0.17
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG21	4	0.17
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG22	4	0.17
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG23	4	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG11	11	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG12	11	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG13	11	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG21	11	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG22	11	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG23	11	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG11	18	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG12	18	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG13	18	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG21	18	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG22	18	0.17
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG23	18	0.17
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG21	14	0.17
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG22	14	0.17
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG23	14	0.17
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG21	14	0.17
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG22	14	0.17
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG23	14	0.17
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG21	17	0.17
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG22	17	0.17
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG23	17	0.17
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG21	17	0.17
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG22	17	0.17
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG23	17	0.17
(1,3005)	1:432:A:HIS:HB2	1:433:A:SER:H	2	0.17
(1,3005)	1:432:A:HIS:HB3	1:433:A:SER:H	2	0.17
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	17	0.17
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	17	0.17
(1,2940)	1:417:A:ASN:HB2	1:418:A:ARG:HA	15	0.17
(1,2940)	1:417:A:ASN:HB3	1:418:A:ARG:HA	15	0.17
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD2	5	0.17
(1,2938)	1:417:A:ASN:HA	1:418:A:ARG:HD3	5	0.17
(1,2935)	1:416:A:ASP:HB2	1:435:A:GLN:H	17	0.17
(1,2935)	1:416:A:ASP:HB3	1:435:A:GLN:H	17	0.17
(1,2921)	1:414:A:LYS:HB2	1:415:A:PRO:HG2	4	0.17
(1,2921)	1:414:A:LYS:HB3	1:415:A:PRO:HG2	4	0.17
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	4	0.17
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	4	0.17
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	4	0.17
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	4	0.17
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	4	0.17
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	4	0.17
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	4	0.17
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	4	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	4	0.17
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	4	0.17
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	4	0.17
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	4	0.17
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	18	0.17
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	18	0.17
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	18	0.17
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	18	0.17
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	18	0.17
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	18	0.17
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	3	0.17
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	3	0.17
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	3	0.17
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	3	0.17
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	3	0.17
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	3	0.17
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	5	0.17
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	5	0.17
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	5	0.17
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	5	0.17
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	5	0.17
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	5	0.17
(1,2801)	1:396:A:VAL:HG11	1:424:A:THR:H	5	0.17
(1,2801)	1:396:A:VAL:HG12	1:424:A:THR:H	5	0.17
(1,2801)	1:396:A:VAL:HG13	1:424:A:THR:H	5	0.17
(1,2801)	1:396:A:VAL:HG21	1:424:A:THR:H	5	0.17
(1,2801)	1:396:A:VAL:HG22	1:424:A:THR:H	5	0.17
(1,2801)	1:396:A:VAL:HG23	1:424:A:THR:H	5	0.17
(1,2796)	1:396:A:VAL:HG11	1:423:A:ILE:H	9	0.17
(1,2796)	1:396:A:VAL:HG12	1:423:A:ILE:H	9	0.17
(1,2796)	1:396:A:VAL:HG13	1:423:A:ILE:H	9	0.17
(1,2796)	1:396:A:VAL:HG21	1:423:A:ILE:H	9	0.17
(1,2796)	1:396:A:VAL:HG22	1:423:A:ILE:H	9	0.17
(1,2796)	1:396:A:VAL:HG23	1:423:A:ILE:H	9	0.17
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD11	17	0.17
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD12	17	0.17
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD13	17	0.17
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD21	17	0.17
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD22	17	0.17
(1,2767)	1:395:A:ILE:HA	1:449:A:LEU:HD23	17	0.17
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	8	0.17
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	8	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	8	0.17
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	8	0.17
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	8	0.17
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	8	0.17
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	20	0.17
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	20	0.17
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	20	0.17
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	20	0.17
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	20	0.17
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	20	0.17
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG11	9	0.17
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG12	9	0.17
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG13	9	0.17
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG21	9	0.17
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG22	9	0.17
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG23	9	0.17
(1,2626)	1:372:A:ASP:HB2	1:376:A:ILE:H	18	0.17
(1,2626)	1:372:A:ASP:HB3	1:376:A:ILE:H	18	0.17
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD11	14	0.17
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD12	14	0.17
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD13	14	0.17
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD21	14	0.17
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD22	14	0.17
(1,2608)	1:371:A:LEU:HD11	1:456:A:LEU:HD23	14	0.17
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD11	14	0.17
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD12	14	0.17
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD13	14	0.17
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD21	14	0.17
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD22	14	0.17
(1,2608)	1:371:A:LEU:HD12	1:456:A:LEU:HD23	14	0.17
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD11	14	0.17
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD12	14	0.17
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD13	14	0.17
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD21	14	0.17
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD22	14	0.17
(1,2608)	1:371:A:LEU:HD13	1:456:A:LEU:HD23	14	0.17
(1,2601)	1:371:A:LEU:HA	1:402:A:CYS:HB2	13	0.17
(1,2601)	1:371:A:LEU:HA	1:402:A:CYS:HB3	13	0.17
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	6	0.17
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	6	0.17
(1,2580)	1:368:A:GLY:H	1:458:A:CYS:HB2	20	0.17
(1,2580)	1:368:A:GLY:H	1:458:A:CYS:HB3	20	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD11	6	0.17
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD12	6	0.17
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD13	6	0.17
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD21	6	0.17
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD22	6	0.17
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD23	6	0.17
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD11	6	0.17
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD12	6	0.17
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD13	6	0.17
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD21	6	0.17
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD22	6	0.17
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD23	6	0.17
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	1	0.17
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	1	0.17
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD11	8	0.17
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD12	8	0.17
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD13	8	0.17
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD21	8	0.17
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD22	8	0.17
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD23	8	0.17
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD11	17	0.17
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD12	17	0.17
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD13	17	0.17
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD21	17	0.17
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD22	17	0.17
(1,2565)	1:366:A:ASN:H	1:461:A:LEU:HD23	17	0.17
(1,2559)	1:365:A:GLY:HA2	1:460:A:ASN:HB2	13	0.17
(1,2559)	1:365:A:GLY:HA2	1:460:A:ASN:HB3	13	0.17
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	10	0.17
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	10	0.17
(1,2546)	1:363:A:LYS:HE2	1:377:A:GLN:H	20	0.17
(1,2546)	1:363:A:LYS:HE3	1:377:A:GLN:H	20	0.17
(1,2517)	1:361:A:VAL:HG11	1:382:A:HIS:H	17	0.17
(1,2517)	1:361:A:VAL:HG12	1:382:A:HIS:H	17	0.17
(1,2517)	1:361:A:VAL:HG13	1:382:A:HIS:H	17	0.17
(1,2517)	1:361:A:VAL:HG21	1:382:A:HIS:H	17	0.17
(1,2517)	1:361:A:VAL:HG22	1:382:A:HIS:H	17	0.17
(1,2517)	1:361:A:VAL:HG23	1:382:A:HIS:H	17	0.17
(1,2507)	1:361:A:VAL:HG11	1:363:A:LYS:HE2	13	0.17
(1,2507)	1:361:A:VAL:HG11	1:363:A:LYS:HE3	13	0.17
(1,2507)	1:361:A:VAL:HG12	1:363:A:LYS:HE2	13	0.17
(1,2507)	1:361:A:VAL:HG12	1:363:A:LYS:HE3	13	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2507)	1:361:A:VAL:HG13	1:363:A:LYS:HE2	13	0.17
(1,2507)	1:361:A:VAL:HG13	1:363:A:LYS:HE3	13	0.17
(1,2507)	1:361:A:VAL:HG21	1:363:A:LYS:HE2	13	0.17
(1,2507)	1:361:A:VAL:HG21	1:363:A:LYS:HE3	13	0.17
(1,2507)	1:361:A:VAL:HG22	1:363:A:LYS:HE2	13	0.17
(1,2507)	1:361:A:VAL:HG22	1:363:A:LYS:HE3	13	0.17
(1,2507)	1:361:A:VAL:HG23	1:363:A:LYS:HE2	13	0.17
(1,2507)	1:361:A:VAL:HG23	1:363:A:LYS:HE3	13	0.17
(1,2506)	1:361:A:VAL:HG11	1:363:A:LYS:HD2	18	0.17
(1,2506)	1:361:A:VAL:HG11	1:363:A:LYS:HD3	18	0.17
(1,2506)	1:361:A:VAL:HG12	1:363:A:LYS:HD2	18	0.17
(1,2506)	1:361:A:VAL:HG12	1:363:A:LYS:HD3	18	0.17
(1,2506)	1:361:A:VAL:HG13	1:363:A:LYS:HD2	18	0.17
(1,2506)	1:361:A:VAL:HG13	1:363:A:LYS:HD3	18	0.17
(1,2506)	1:361:A:VAL:HG21	1:363:A:LYS:HD2	18	0.17
(1,2506)	1:361:A:VAL:HG21	1:363:A:LYS:HD3	18	0.17
(1,2506)	1:361:A:VAL:HG22	1:363:A:LYS:HD2	18	0.17
(1,2506)	1:361:A:VAL:HG22	1:363:A:LYS:HD3	18	0.17
(1,2506)	1:361:A:VAL:HG23	1:363:A:LYS:HD2	18	0.17
(1,2506)	1:361:A:VAL:HG23	1:363:A:LYS:HD3	18	0.17
(1,2460)	1:359:A:VAL:HG11	1:360:A:TYR:H	1	0.17
(1,2460)	1:359:A:VAL:HG12	1:360:A:TYR:H	1	0.17
(1,2460)	1:359:A:VAL:HG13	1:360:A:TYR:H	1	0.17
(1,2460)	1:359:A:VAL:HG21	1:360:A:TYR:H	1	0.17
(1,2460)	1:359:A:VAL:HG22	1:360:A:TYR:H	1	0.17
(1,2460)	1:359:A:VAL:HG23	1:360:A:TYR:H	1	0.17
(1,2456)	1:359:A:VAL:HA	1:463:A:SER:HB2	9	0.17
(1,2456)	1:359:A:VAL:HA	1:463:A:SER:HB3	9	0.17
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG11	19	0.17
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG12	19	0.17
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG13	19	0.17
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG21	19	0.17
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG22	19	0.17
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG23	19	0.17
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	12	0.17
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	12	0.17
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	12	0.17
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	15	0.17
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	15	0.17
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	15	0.17
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	20	0.17
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	20	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	20	0.17
(1,2377)	1:376:A:ILE:HD11	1:377:A:GLN:HE21	20	0.17
(1,2377)	1:376:A:ILE:HD11	1:377:A:GLN:HE22	20	0.17
(1,2377)	1:376:A:ILE:HD12	1:377:A:GLN:HE21	20	0.17
(1,2377)	1:376:A:ILE:HD12	1:377:A:GLN:HE22	20	0.17
(1,2377)	1:376:A:ILE:HD13	1:377:A:GLN:HE21	20	0.17
(1,2377)	1:376:A:ILE:HD13	1:377:A:GLN:HE22	20	0.17
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	7	0.17
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	7	0.17
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	7	0.17
(1,2359)	1:375:A:ARG:HB3	1:376:A:ILE:HA	14	0.17
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	2	0.17
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	4	0.17
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	14	0.17
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	18	0.17
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	6	0.17
(1,2335)	1:371:A:LEU:HA	1:402:A:CYS:HA	7	0.17
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	20	0.17
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	5	0.17
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	5	0.17
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	5	0.17
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	10	0.17
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	10	0.17
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	10	0.17
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	19	0.17
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	19	0.17
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	4	0.17
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	4	0.17
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	4	0.17
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	10	0.17
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	10	0.17
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	10	0.17
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	6	0.17
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	15	0.17
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	6	0.17
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	6	0.17
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	6	0.17
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	14	0.17
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	14	0.17
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	14	0.17
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	5	0.17
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	17	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2216)	1:448:A:PHE:HA	1:451:A:ASN:HB2	13	0.17
(1,2216)	1:448:A:PHE:HA	1:451:A:ASN:HB3	13	0.17
(1,2216)	1:448:A:PHE:HA	1:451:A:ASN:HB2	17	0.17
(1,2216)	1:448:A:PHE:HA	1:451:A:ASN:HB3	17	0.17
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	3	0.17
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	3	0.17
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	3	0.17
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	3	0.17
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	3	0.17
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	3	0.17
(1,2187)	1:425:A:ALA:HB1	1:433:A:SER:HA	9	0.17
(1,2187)	1:425:A:ALA:HB2	1:433:A:SER:HA	9	0.17
(1,2187)	1:425:A:ALA:HB3	1:433:A:SER:HA	9	0.17
(1,2173)	1:357:A:VAL:HA	1:442:A:ALA:HA	16	0.17
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	9	0.17
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	9	0.17
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	9	0.17
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	1	0.17
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	1	0.17
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	1	0.17
(1,2099)	1:365:A:GLY:HA3	1:460:A:ASN:HD21	3	0.17
(1,2099)	1:365:A:GLY:HA3	1:460:A:ASN:HD22	3	0.17
(1,2043)	1:450:A:GLU:H	1:450:A:GLU:HG2	8	0.17
(1,2042)	1:449:A:LEU:H	1:450:A:GLU:HG2	11	0.17
(1,2038)	1:450:A:GLU:HB2	1:451:A:ASN:HB2	12	0.17
(1,2038)	1:450:A:GLU:HB2	1:451:A:ASN:HB3	12	0.17
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD11	5	0.17
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD12	5	0.17
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD13	5	0.17
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG2	19	0.17
(1,1956)	1:444:A:PHE:HD1	1:447:A:ARG:HG3	19	0.17
(1,1953)	1:374:A:LYS:HB2	1:375:A:ARG:HD3	7	0.17
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	5	0.17
(1,1946)	1:375:A:ARG:HD3	1:376:A:ILE:H	18	0.17
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	13	0.17
(1,1935)	1:371:A:LEU:HD21	1:376:A:ILE:HD11	14	0.17
(1,1935)	1:371:A:LEU:HD21	1:376:A:ILE:HD12	14	0.17
(1,1935)	1:371:A:LEU:HD21	1:376:A:ILE:HD13	14	0.17
(1,1935)	1:371:A:LEU:HD22	1:376:A:ILE:HD11	14	0.17
(1,1935)	1:371:A:LEU:HD22	1:376:A:ILE:HD12	14	0.17
(1,1935)	1:371:A:LEU:HD22	1:376:A:ILE:HD13	14	0.17
(1,1935)	1:371:A:LEU:HD23	1:376:A:ILE:HD11	14	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1935)	1:371:A:LEU:HD23	1:376:A:ILE:HD12	14	0.17
(1,1935)	1:371:A:LEU:HD23	1:376:A:ILE:HD13	14	0.17
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	13	0.17
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	13	0.17
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	13	0.17
(1,1918)	1:379:A:LEU:HD11	1:380:A:PRO:HG3	2	0.17
(1,1918)	1:379:A:LEU:HD12	1:380:A:PRO:HG3	2	0.17
(1,1918)	1:379:A:LEU:HD13	1:380:A:PRO:HG3	2	0.17
(1,1914)	1:367:A:PHE:HB2	1:371:A:LEU:HB3	2	0.17
(1,1914)	1:367:A:PHE:HB2	1:371:A:LEU:HB3	5	0.17
(1,1904)	1:400:A:VAL:HG11	1:402:A:CYS:H	19	0.17
(1,1904)	1:400:A:VAL:HG12	1:402:A:CYS:H	19	0.17
(1,1904)	1:400:A:VAL:HG13	1:402:A:CYS:H	19	0.17
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	9	0.17
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	5	0.17
(1,1895)	1:400:A:VAL:HA	1:402:A:CYS:H	3	0.17
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	13	0.17
(1,1876)	1:447:A:ARG:HG2	1:448:A:PHE:HA	6	0.17
(1,1876)	1:447:A:ARG:HG3	1:448:A:PHE:HA	6	0.17
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	5	0.17
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	5	0.17
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	5	0.17
(1,1842)	1:371:A:LEU:HD21	1:402:A:CYS:HA	19	0.17
(1,1842)	1:371:A:LEU:HD22	1:402:A:CYS:HA	19	0.17
(1,1842)	1:371:A:LEU:HD23	1:402:A:CYS:HA	19	0.17
(1,1833)	1:396:A:VAL:HG21	1:423:A:ILE:HG13	7	0.17
(1,1833)	1:396:A:VAL:HG22	1:423:A:ILE:HG13	7	0.17
(1,1833)	1:396:A:VAL:HG23	1:423:A:ILE:HG13	7	0.17
(1,1832)	1:396:A:VAL:HA	1:423:A:ILE:HG21	1	0.17
(1,1832)	1:396:A:VAL:HA	1:423:A:ILE:HG22	1	0.17
(1,1832)	1:396:A:VAL:HA	1:423:A:ILE:HG23	1	0.17
(1,1830)	1:396:A:VAL:HA	1:423:A:ILE:HG13	6	0.17
(1,1830)	1:396:A:VAL:HA	1:423:A:ILE:HG13	9	0.17
(1,1808)	1:400:A:VAL:HG21	1:410:A:PHE:HB2	3	0.17
(1,1808)	1:400:A:VAL:HG22	1:410:A:PHE:HB2	3	0.17
(1,1808)	1:400:A:VAL:HG23	1:410:A:PHE:HB2	3	0.17
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	16	0.17
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	16	0.17
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	16	0.17
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	13	0.17
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	1	0.17
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	10	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	16	0.17
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	2	0.17
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	10	0.17
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	11	0.17
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	12	0.17
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	18	0.17
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	6	0.17
(1,1624)	1:365:A:GLY:HA2	1:461:A:LEU:HA	15	0.17
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	19	0.17
(1,1575)	1:379:A:LEU:H	1:380:A:PRO:HD3	3	0.17
(1,1567)	1:355:A:SER:HB2	1:440:A:ASN:HA	8	0.17
(1,1567)	1:355:A:SER:HB3	1:440:A:ASN:HA	8	0.17
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	3	0.17
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	9	0.17
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	18	0.17
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	20	0.17
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	10	0.17
(1,1529)	1:386:A:GLY:HA3	1:387:A:PRO:HG2	14	0.17
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD11	19	0.17
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD12	19	0.17
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD13	19	0.17
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG21	18	0.17
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG22	18	0.17
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG23	18	0.17
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	2	0.17
(1,1491)	1:387:A:PRO:HA	1:388:A:VAL:HB	11	0.17
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	6	0.17
(1,1458)	1:434:A:ILE:HD11	1:436:A:LEU:HG	8	0.17
(1,1458)	1:434:A:ILE:HD12	1:436:A:LEU:HG	8	0.17
(1,1458)	1:434:A:ILE:HD13	1:436:A:LEU:HG	8	0.17
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	7	0.17
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	7	0.17
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	7	0.17
(1,1414)	1:406:A:THR:HB	1:427:A:PHE:HA	17	0.17
(1,1393)	1:423:A:ILE:HA	1:424:A:THR:HB	11	0.17
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	20	0.17
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	20	0.17
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	20	0.17
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	1	0.17
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	3	0.17
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	5	0.17
(1,1328)	1:389:A:ASN:HB2	1:421:A:GLU:HA	13	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1328)	1:389:A:ASN:HB3	1:421:A:GLU:HA	13	0.17
(1,1267)	1:423:A:ILE:HB	1:433:A:SER:HA	6	0.17
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	7	0.17
(1,1186)	1:373:A:PRO:HA	1:377:A:GLN:HG2	2	0.17
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG3	13	0.17
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG2	13	0.17
(1,1163)	1:368:A:GLY:HA2	1:369:A:PRO:HG2	17	0.17
(1,1163)	1:368:A:GLY:HA3	1:369:A:PRO:HG2	17	0.17
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	18	0.17
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	7	0.17
(1,1132)	1:368:A:GLY:H	1:458:A:CYS:HB2	16	0.17
(1,1131)	1:367:A:PHE:H	1:458:A:CYS:HA	13	0.17
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	3	0.17
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	4	0.17
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	5	0.17
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	6	0.17
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	7	0.17
(1,1103)	1:426:A:SER:H	1:432:A:HIS:H	9	0.17
(1,1092)	1:418:A:ARG:HB3	1:435:A:GLN:HE21	8	0.17
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	7	0.17
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	8	0.17
(1,1065)	1:392:A:LEU:H	1:394:A:ARG:H	20	0.17
(1,1045)	1:357:A:VAL:H	1:386:A:GLY:HA2	16	0.17
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE21	12	0.17
(1,1038)	1:363:A:LYS:H	1:377:A:GLN:HE22	12	0.17
(1,1030)	1:366:A:ASN:HD21	1:369:A:PRO:HA	13	0.17
(1,1030)	1:366:A:ASN:HD22	1:369:A:PRO:HA	13	0.17
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD21	15	0.17
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD22	15	0.17
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	11	0.17
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	12	0.17
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	19	0.17
(1,1011)	1:451:A:ASN:HD21	1:453:A:CYS:H	20	0.17
(1,1011)	1:451:A:ASN:HD22	1:453:A:CYS:H	20	0.17
(1,956)	1:389:A:ASN:H	1:439:A:VAL:H	18	0.17
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	20	0.17
(1,946)	1:387:A:PRO:HG2	1:391:A:VAL:H	16	0.17
(1,943)	1:400:A:VAL:H	1:403:A:ALA:H	2	0.17
(1,934)	1:466:A:PRO:HG2	1:467:A:PHE:H	12	0.17
(1,933)	1:392:A:LEU:HA	1:449:A:LEU:H	6	0.17
(1,932)	1:355:A:SER:H	1:388:A:VAL:H	12	0.17
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	6	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	6	0.17
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	6	0.17
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	15	0.17
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	15	0.17
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	15	0.17
(1,909)	1:406:A:THR:HB	1:426:A:SER:H	8	0.17
(1,909)	1:406:A:THR:HB	1:426:A:SER:H	13	0.17
(1,886)	1:357:A:VAL:H	1:391:A:VAL:HB	20	0.17
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	10	0.17
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	10	0.17
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	10	0.17
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	16	0.17
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	9	0.17
(1,795)	1:378:A:GLN:H	1:379:A:LEU:HG	2	0.17
(1,795)	1:378:A:GLN:H	1:379:A:LEU:HG	9	0.17
(1,787)	1:377:A:GLN:H	1:378:A:GLN:HG2	14	0.17
(1,740)	1:360:A:TYR:H	1:360:A:TYR:HD1	11	0.17
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	1	0.17
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	7	0.17
(1,695)	1:359:A:VAL:H	1:386:A:GLY:H	1	0.17
(1,692)	1:359:A:VAL:H	1:385:A:PRO:HA	19	0.17
(1,692)	1:359:A:VAL:H	1:385:A:PRO:HA	20	0.17
(1,687)	1:359:A:VAL:H	1:391:A:VAL:HB	7	0.17
(1,658)	1:363:A:LYS:H	1:364:A:HIS:HB2	17	0.17
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	13	0.17
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	13	0.17
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	13	0.17
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	14	0.17
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	14	0.17
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	14	0.17
(1,633)	1:359:A:VAL:HA	1:465:A:GLN:H	13	0.17
(1,629)	1:360:A:TYR:H	1:465:A:GLN:H	10	0.17
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	3	0.17
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB2	10	0.17
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB3	10	0.17
(1,590)	1:375:A:ARG:HD2	1:376:A:ILE:H	4	0.17
(1,570)	1:445:A:ALA:HB1	1:447:A:ARG:H	4	0.17
(1,570)	1:445:A:ALA:HB2	1:447:A:ARG:H	4	0.17
(1,570)	1:445:A:ALA:HB3	1:447:A:ARG:H	4	0.17
(1,570)	1:445:A:ALA:HB1	1:447:A:ARG:H	9	0.17
(1,570)	1:445:A:ALA:HB2	1:447:A:ARG:H	9	0.17
(1,570)	1:445:A:ALA:HB3	1:447:A:ARG:H	9	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:427:A:PHE:H	1:431:A:THR:HA	6	0.17
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	3	0.17
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	4	0.17
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	19	0.17
(1,514)	1:451:A:ASN:H	1:453:A:CYS:H	8	0.17
(1,504)	1:418:A:ARG:H	1:419:A:GLY:HA2	4	0.17
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	1	0.17
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	16	0.17
(1,492)	1:397:A:GLN:HB3	1:398:A:ALA:H	19	0.17
(1,478)	1:359:A:VAL:HA	1:361:A:VAL:H	13	0.17
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	13	0.17
(1,452)	1:445:A:ALA:HB1	1:448:A:PHE:H	11	0.17
(1,452)	1:445:A:ALA:HB2	1:448:A:PHE:H	11	0.17
(1,452)	1:445:A:ALA:HB3	1:448:A:PHE:H	11	0.17
(1,445)	1:372:A:ASP:H	1:376:A:ILE:HD11	16	0.17
(1,445)	1:372:A:ASP:H	1:376:A:ILE:HD12	16	0.17
(1,445)	1:372:A:ASP:H	1:376:A:ILE:HD13	16	0.17
(1,444)	1:371:A:LEU:HD21	1:372:A:ASP:H	12	0.17
(1,444)	1:371:A:LEU:HD22	1:372:A:ASP:H	12	0.17
(1,444)	1:371:A:LEU:HD23	1:372:A:ASP:H	12	0.17
(1,438)	1:372:A:ASP:H	1:373:A:PRO:HD3	5	0.17
(1,438)	1:372:A:ASP:H	1:373:A:PRO:HD3	10	0.17
(1,438)	1:372:A:ASP:H	1:373:A:PRO:HD3	14	0.17
(1,437)	1:372:A:ASP:H	1:403:A:ALA:HA	17	0.17
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	1	0.17
(1,382)	1:417:A:ASN:H	1:418:A:ARG:HB2	6	0.17
(1,369)	1:463:A:SER:HB3	1:464:A:SER:H	13	0.17
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	8	0.17
(1,338)	1:422:A:VAL:H	1:436:A:LEU:H	2	0.17
(1,299)	1:425:A:ALA:HB1	1:426:A:SER:H	18	0.17
(1,299)	1:425:A:ALA:HB2	1:426:A:SER:H	18	0.17
(1,299)	1:425:A:ALA:HB3	1:426:A:SER:H	18	0.17
(1,287)	1:405:A:GLU:HB3	1:407:A:LYS:H	2	0.17
(1,285)	1:406:A:THR:HG21	1:407:A:LYS:H	6	0.17
(1,285)	1:406:A:THR:HG22	1:407:A:LYS:H	6	0.17
(1,285)	1:406:A:THR:HG23	1:407:A:LYS:H	6	0.17
(1,280)	1:407:A:LYS:H	1:408:A:THR:HB	4	0.17
(1,280)	1:407:A:LYS:H	1:408:A:THR:HB	17	0.17
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	6	0.17
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	6	0.17
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	6	0.17
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	13	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	13	0.17
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	13	0.17
(1,241)	1:427:A:PHE:HA	1:430:A:GLU:H	6	0.17
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	7	0.17
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	4	0.17
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	9	0.17
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	7	0.17
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	18	0.17
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	12	0.17
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	9	0.17
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	9	0.17
(1,151)	1:380:A:PRO:HG2	1:381:A:ASP:H	3	0.17
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	11	0.17
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	11	0.17
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	11	0.17
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	9	0.17
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	16	0.17
(1,55)	1:418:A:ARG:HB3	1:420:A:GLY:H	1	0.17
(1,49)	1:420:A:GLY:H	1:436:A:LEU:HA	16	0.17
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	6	0.17
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	11	0.17
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	14	0.17
(1,23)	1:368:A:GLY:H	1:369:A:PRO:HB2	17	0.17
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	1	0.17
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	11	0.17
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	18	0.17
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	20	0.16
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	20	0.16
(1,3162)	1:463:A:SER:H	1:464:A:SER:HB2	3	0.16
(1,3162)	1:463:A:SER:H	1:464:A:SER:HB3	3	0.16
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD11	6	0.16
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD12	6	0.16
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD13	6	0.16
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD21	6	0.16
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD22	6	0.16
(1,3140)	1:460:A:ASN:H	1:462:A:LEU:HD23	6	0.16
(1,3137)	1:459:A:ASP:HB2	1:460:A:ASN:H	17	0.16
(1,3137)	1:459:A:ASP:HB3	1:460:A:ASN:H	17	0.16
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	10	0.16
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	10	0.16
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	19	0.16
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	19	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3127)	1:456:A:LEU:HD11	1:458:A:CYS:H	18	0.16
(1,3127)	1:456:A:LEU:HD12	1:458:A:CYS:H	18	0.16
(1,3127)	1:456:A:LEU:HD13	1:458:A:CYS:H	18	0.16
(1,3127)	1:456:A:LEU:HD21	1:458:A:CYS:H	18	0.16
(1,3127)	1:456:A:LEU:HD22	1:458:A:CYS:H	18	0.16
(1,3127)	1:456:A:LEU:HD23	1:458:A:CYS:H	18	0.16
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	8	0.16
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	8	0.16
(1,3114)	1:453:A:CYS:HB2	1:459:A:ASP:HA	18	0.16
(1,3114)	1:453:A:CYS:HB3	1:459:A:ASP:HA	18	0.16
(1,3048)	1:443:A:SER:HB2	1:444:A:PHE:HA	6	0.16
(1,3048)	1:443:A:SER:HB3	1:444:A:PHE:HA	6	0.16
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG11	19	0.16
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG12	19	0.16
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG13	19	0.16
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG21	19	0.16
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG22	19	0.16
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG23	19	0.16
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG21	6	0.16
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG22	6	0.16
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG23	6	0.16
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG21	6	0.16
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG22	6	0.16
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG23	6	0.16
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB2	16	0.16
(1,3003)	1:432:A:HIS:H	1:433:A:SER:HB3	16	0.16
(1,2999)	1:430:A:GLU:HB2	1:431:A:THR:HB	1	0.16
(1,2999)	1:430:A:GLU:HB3	1:431:A:THR:HB	1	0.16
(1,2999)	1:430:A:GLU:HB2	1:431:A:THR:HB	15	0.16
(1,2999)	1:430:A:GLU:HB3	1:431:A:THR:HB	15	0.16
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	10	0.16
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	10	0.16
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	6	0.16
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	6	0.16
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	6	0.16
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	6	0.16
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	6	0.16
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	6	0.16
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	3	0.16
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	3	0.16
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE21	17	0.16
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE21	17	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE21	17	0.16
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE21	17	0.16
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE21	17	0.16
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE21	17	0.16
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE22	17	0.16
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE22	17	0.16
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE22	17	0.16
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE22	17	0.16
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE22	17	0.16
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE22	17	0.16
(1,2943)	1:418:A:ARG:HD2	1:419:A:GLY:H	10	0.16
(1,2943)	1:418:A:ARG:HD3	1:419:A:GLY:H	10	0.16
(1,2943)	1:418:A:ARG:HD2	1:419:A:GLY:H	12	0.16
(1,2943)	1:418:A:ARG:HD3	1:419:A:GLY:H	12	0.16
(1,2897)	1:412:A:TYR:HA	1:413:A:LEU:HB2	20	0.16
(1,2897)	1:412:A:TYR:HA	1:413:A:LEU:HB3	20	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD11	1	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD12	1	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD13	1	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD21	1	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD22	1	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD23	1	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD11	6	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD12	6	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD13	6	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD21	6	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD22	6	0.16
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD23	6	0.16
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	3	0.16
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	3	0.16
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	3	0.16
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	3	0.16
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	3	0.16
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	3	0.16
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	8	0.16
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	8	0.16
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	8	0.16
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	8	0.16
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	8	0.16
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	8	0.16
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	6	0.16
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	6	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	6	0.16
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	6	0.16
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	6	0.16
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	6	0.16
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	14	0.16
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	14	0.16
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	14	0.16
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	14	0.16
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	14	0.16
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	14	0.16
(1,2879)	1:409:A:VAL:HA	1:412:A:TYR:HB2	14	0.16
(1,2879)	1:409:A:VAL:HA	1:412:A:TYR:HB3	14	0.16
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	16	0.16
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	16	0.16
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	16	0.16
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	16	0.16
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	16	0.16
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	16	0.16
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD11	17	0.16
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD12	17	0.16
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD13	17	0.16
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD21	17	0.16
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD22	17	0.16
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD23	17	0.16
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	11	0.16
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	11	0.16
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	11	0.16
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	11	0.16
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	11	0.16
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	11	0.16
(1,2796)	1:396:A:VAL:HG11	1:423:A:ILE:H	6	0.16
(1,2796)	1:396:A:VAL:HG12	1:423:A:ILE:H	6	0.16
(1,2796)	1:396:A:VAL:HG13	1:423:A:ILE:H	6	0.16
(1,2796)	1:396:A:VAL:HG21	1:423:A:ILE:H	6	0.16
(1,2796)	1:396:A:VAL:HG22	1:423:A:ILE:H	6	0.16
(1,2796)	1:396:A:VAL:HG23	1:423:A:ILE:H	6	0.16
(1,2796)	1:396:A:VAL:HG11	1:423:A:ILE:H	12	0.16
(1,2796)	1:396:A:VAL:HG12	1:423:A:ILE:H	12	0.16
(1,2796)	1:396:A:VAL:HG13	1:423:A:ILE:H	12	0.16
(1,2796)	1:396:A:VAL:HG21	1:423:A:ILE:H	12	0.16
(1,2796)	1:396:A:VAL:HG22	1:423:A:ILE:H	12	0.16
(1,2796)	1:396:A:VAL:HG23	1:423:A:ILE:H	12	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	15	0.16
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	15	0.16
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	15	0.16
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	15	0.16
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	15	0.16
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	15	0.16
(1,2776)	1:395:A:ILE:HD11	1:462:A:LEU:HD11	3	0.16
(1,2776)	1:395:A:ILE:HD11	1:462:A:LEU:HD12	3	0.16
(1,2776)	1:395:A:ILE:HD11	1:462:A:LEU:HD13	3	0.16
(1,2776)	1:395:A:ILE:HD11	1:462:A:LEU:HD21	3	0.16
(1,2776)	1:395:A:ILE:HD11	1:462:A:LEU:HD22	3	0.16
(1,2776)	1:395:A:ILE:HD11	1:462:A:LEU:HD23	3	0.16
(1,2776)	1:395:A:ILE:HD12	1:462:A:LEU:HD11	3	0.16
(1,2776)	1:395:A:ILE:HD12	1:462:A:LEU:HD12	3	0.16
(1,2776)	1:395:A:ILE:HD12	1:462:A:LEU:HD13	3	0.16
(1,2776)	1:395:A:ILE:HD12	1:462:A:LEU:HD21	3	0.16
(1,2776)	1:395:A:ILE:HD12	1:462:A:LEU:HD22	3	0.16
(1,2776)	1:395:A:ILE:HD12	1:462:A:LEU:HD23	3	0.16
(1,2776)	1:395:A:ILE:HD13	1:462:A:LEU:HD11	3	0.16
(1,2776)	1:395:A:ILE:HD13	1:462:A:LEU:HD12	3	0.16
(1,2776)	1:395:A:ILE:HD13	1:462:A:LEU:HD13	3	0.16
(1,2776)	1:395:A:ILE:HD13	1:462:A:LEU:HD21	3	0.16
(1,2776)	1:395:A:ILE:HD13	1:462:A:LEU:HD22	3	0.16
(1,2776)	1:395:A:ILE:HD13	1:462:A:LEU:HD23	3	0.16
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD2	17	0.16
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD3	17	0.16
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD2	17	0.16
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD3	17	0.16
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD2	17	0.16
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD3	17	0.16
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD2	17	0.16
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD3	17	0.16
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD2	17	0.16
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD3	17	0.16
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD2	17	0.16
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD3	17	0.16
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	3	0.16
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	3	0.16
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	3	0.16
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	3	0.16
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	3	0.16
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	3	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG11	5	0.16
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG12	5	0.16
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG13	5	0.16
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG21	5	0.16
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG22	5	0.16
(1,2651)	1:386:A:GLY:HA3	1:390:A:VAL:HG23	5	0.16
(1,2626)	1:372:A:ASP:HB2	1:376:A:ILE:H	11	0.16
(1,2626)	1:372:A:ASP:HB3	1:376:A:ILE:H	11	0.16
(1,2626)	1:372:A:ASP:HB2	1:376:A:ILE:H	14	0.16
(1,2626)	1:372:A:ASP:HB3	1:376:A:ILE:H	14	0.16
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD2	9	0.16
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD3	9	0.16
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD2	9	0.16
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD3	9	0.16
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	1	0.16
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	1	0.16
(1,2580)	1:368:A:GLY:H	1:458:A:CYS:HB2	18	0.16
(1,2580)	1:368:A:GLY:H	1:458:A:CYS:HB3	18	0.16
(1,2567)	1:366:A:ASN:HB2	1:368:A:GLY:H	7	0.16
(1,2567)	1:366:A:ASN:HB3	1:368:A:GLY:H	7	0.16
(1,2567)	1:366:A:ASN:HB2	1:368:A:GLY:H	17	0.16
(1,2567)	1:366:A:ASN:HB3	1:368:A:GLY:H	17	0.16
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	7	0.16
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	7	0.16
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	12	0.16
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	12	0.16
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD11	2	0.16
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD12	2	0.16
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD13	2	0.16
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD21	2	0.16
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD22	2	0.16
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD23	2	0.16
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	9	0.16
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	9	0.16
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	9	0.16
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	9	0.16
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	9	0.16
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	9	0.16
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	14	0.16
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	14	0.16
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	14	0.16
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	14	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	14	0.16
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	14	0.16
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	14	0.16
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	14	0.16
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	14	0.16
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	14	0.16
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	14	0.16
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	14	0.16
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG11	17	0.16
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG12	17	0.16
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG13	17	0.16
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG21	17	0.16
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG22	17	0.16
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG23	17	0.16
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	8	0.16
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	8	0.16
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	8	0.16
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	8	0.16
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	8	0.16
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	8	0.16
(1,2402)	1:353:A:MET:HG2	1:354:A:MET:HG2	16	0.16
(1,2402)	1:353:A:MET:HG3	1:354:A:MET:HG2	16	0.16
(1,2402)	1:353:A:MET:HG2	1:354:A:MET:HG3	16	0.16
(1,2402)	1:353:A:MET:HG3	1:354:A:MET:HG3	16	0.16
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD11	9	0.16
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD12	9	0.16
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD13	9	0.16
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD11	9	0.16
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD12	9	0.16
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD13	9	0.16
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD11	9	0.16
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD12	9	0.16
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD13	9	0.16
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	1	0.16
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	1	0.16
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	1	0.16
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	4	0.16
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	4	0.16
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	4	0.16
(1,2359)	1:375:A:ARG:HB3	1:376:A:ILE:HA	5	0.16
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	20	0.16
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	12	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	18	0.16
(1,2354)	1:371:A:LEU:HD11	1:376:A:ILE:HB	16	0.16
(1,2354)	1:371:A:LEU:HD12	1:376:A:ILE:HB	16	0.16
(1,2354)	1:371:A:LEU:HD13	1:376:A:ILE:HB	16	0.16
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	9	0.16
(1,2339)	1:376:A:ILE:HG12	1:402:A:CYS:HA	7	0.16
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	8	0.16
(1,2333)	1:372:A:ASP:H	1:402:A:CYS:HA	2	0.16
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG11	9	0.16
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG12	9	0.16
(1,2314)	1:357:A:VAL:HA	1:391:A:VAL:HG13	9	0.16
(1,2300)	1:359:A:VAL:HB	1:383:A:PHE:HB2	8	0.16
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	4	0.16
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	4	0.16
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	11	0.16
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	11	0.16
(1,2222)	1:415:A:PRO:HA	1:434:A:ILE:HA	2	0.16
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	4	0.16
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	13	0.16
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	4	0.16
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	9	0.16
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	9	0.16
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	9	0.16
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	9	0.16
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	9	0.16
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	9	0.16
(1,2174)	1:442:A:ALA:HA	1:446:A:LEU:H	5	0.16
(1,2174)	1:442:A:ALA:HA	1:446:A:LEU:H	19	0.16
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	3	0.16
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	3	0.16
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	3	0.16
(1,2144)	1:444:A:PHE:HA	1:444:A:PHE:HD1	18	0.16
(1,2139)	1:372:A:ASP:H	1:375:A:ARG:HD2	14	0.16
(1,2132)	1:375:A:ARG:HA	1:375:A:ARG:HD3	14	0.16
(1,2132)	1:375:A:ARG:HA	1:375:A:ARG:HD3	18	0.16
(1,2132)	1:375:A:ARG:HA	1:375:A:ARG:HD3	19	0.16
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	17	0.16
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD21	4	0.16
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD22	4	0.16
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD23	4	0.16
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	3	0.16
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	3	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	3	0.16
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	4	0.16
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	4	0.16
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	4	0.16
(1,2046)	1:399:A:CYS:HA	1:401:A:ASP:H	9	0.16
(1,2038)	1:450:A:GLU:HB2	1:451:A:ASN:HB2	19	0.16
(1,2038)	1:450:A:GLU:HB2	1:451:A:ASN:HB3	19	0.16
(1,2030)	1:396:A:VAL:H	1:397:A:GLN:HG3	17	0.16
(1,2030)	1:396:A:VAL:H	1:397:A:GLN:HG2	17	0.16
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	15	0.16
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD21	3	0.16
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD22	3	0.16
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD23	3	0.16
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD21	3	0.16
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD22	3	0.16
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD23	3	0.16
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD21	3	0.16
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD22	3	0.16
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD23	3	0.16
(1,1997)	1:395:A:ILE:HG21	1:398:A:ALA:HB1	8	0.16
(1,1997)	1:395:A:ILE:HG21	1:398:A:ALA:HB2	8	0.16
(1,1997)	1:395:A:ILE:HG21	1:398:A:ALA:HB3	8	0.16
(1,1997)	1:395:A:ILE:HG22	1:398:A:ALA:HB1	8	0.16
(1,1997)	1:395:A:ILE:HG22	1:398:A:ALA:HB2	8	0.16
(1,1997)	1:395:A:ILE:HG22	1:398:A:ALA:HB3	8	0.16
(1,1997)	1:395:A:ILE:HG23	1:398:A:ALA:HB1	8	0.16
(1,1997)	1:395:A:ILE:HG23	1:398:A:ALA:HB2	8	0.16
(1,1997)	1:395:A:ILE:HG23	1:398:A:ALA:HB3	8	0.16
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD11	5	0.16
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD12	5	0.16
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD13	5	0.16
(1,1977)	1:395:A:ILE:HA	1:398:A:ALA:H	10	0.16
(1,1975)	1:395:A:ILE:HA	1:398:A:ALA:HA	14	0.16
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB1	5	0.16
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB2	5	0.16
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB3	5	0.16
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB1	16	0.16
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB2	16	0.16
(1,1962)	1:401:A:ASP:HA	1:425:A:ALA:HB3	16	0.16
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	13	0.16
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	13	0.16
(1,1933)	1:371:A:LEU:HD21	1:376:A:ILE:HG12	14	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1933)	1:371:A:LEU:HD22	1:376:A:ILE:HG12	14	0.16
(1,1933)	1:371:A:LEU:HD23	1:376:A:ILE:HG12	14	0.16
(1,1914)	1:367:A:PHE:HB2	1:371:A:LEU:HB3	3	0.16
(1,1904)	1:400:A:VAL:HG11	1:402:A:CYS:H	1	0.16
(1,1904)	1:400:A:VAL:HG12	1:402:A:CYS:H	1	0.16
(1,1904)	1:400:A:VAL:HG13	1:402:A:CYS:H	1	0.16
(1,1904)	1:400:A:VAL:HG11	1:402:A:CYS:H	5	0.16
(1,1904)	1:400:A:VAL:HG12	1:402:A:CYS:H	5	0.16
(1,1904)	1:400:A:VAL:HG13	1:402:A:CYS:H	5	0.16
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	6	0.16
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	18	0.16
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	13	0.16
(1,1883)	1:418:A:ARG:HA	1:419:A:GLY:HA3	4	0.16
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	19	0.16
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	19	0.16
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	19	0.16
(1,1825)	1:396:A:VAL:HA	1:452:A:PHE:HZ	19	0.16
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	20	0.16
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	20	0.16
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	20	0.16
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD2	19	0.16
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD3	19	0.16
(1,1682)	1:407:A:LYS:HD2	1:427:A:PHE:HD1	7	0.16
(1,1682)	1:407:A:LYS:HD3	1:427:A:PHE:HD1	7	0.16
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	5	0.16
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	1	0.16
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	5	0.16
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	1	0.16
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	13	0.16
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	18	0.16
(1,1575)	1:379:A:LEU:H	1:380:A:PRO:HD3	11	0.16
(1,1571)	1:380:A:PRO:HA	1:381:A:ASP:HB2	1	0.16
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	12	0.16
(1,1529)	1:386:A:GLY:HA3	1:387:A:PRO:HG2	10	0.16
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG21	2	0.16
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG22	2	0.16
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG23	2	0.16
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG21	13	0.16
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG22	13	0.16
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG23	13	0.16
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	9	0.16
(1,1491)	1:387:A:PRO:HA	1:388:A:VAL:HB	6	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	2	0.16
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	14	0.16
(1,1464)	1:434:A:ILE:HG12	1:435:A:GLN:H	16	0.16
(1,1464)	1:434:A:ILE:HG12	1:435:A:GLN:H	19	0.16
(1,1458)	1:434:A:ILE:HD11	1:436:A:LEU:HG	10	0.16
(1,1458)	1:434:A:ILE:HD12	1:436:A:LEU:HG	10	0.16
(1,1458)	1:434:A:ILE:HD13	1:436:A:LEU:HG	10	0.16
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	10	0.16
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	10	0.16
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	10	0.16
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	12	0.16
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	12	0.16
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	12	0.16
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	3	0.16
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	3	0.16
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	3	0.16
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	14	0.16
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	14	0.16
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	14	0.16
(1,1430)	1:431:A:THR:HB	1:432:A:HIS:H	17	0.16
(1,1415)	1:406:A:THR:HG21	1:427:A:PHE:HB3	4	0.16
(1,1415)	1:406:A:THR:HG22	1:427:A:PHE:HB3	4	0.16
(1,1415)	1:406:A:THR:HG23	1:427:A:PHE:HB3	4	0.16
(1,1415)	1:406:A:THR:HG21	1:427:A:PHE:HB3	11	0.16
(1,1415)	1:406:A:THR:HG22	1:427:A:PHE:HB3	11	0.16
(1,1415)	1:406:A:THR:HG23	1:427:A:PHE:HB3	11	0.16
(1,1415)	1:406:A:THR:HG21	1:427:A:PHE:HB3	12	0.16
(1,1415)	1:406:A:THR:HG22	1:427:A:PHE:HB3	12	0.16
(1,1415)	1:406:A:THR:HG23	1:427:A:PHE:HB3	12	0.16
(1,1410)	1:425:A:ALA:HB1	1:426:A:SER:HA	8	0.16
(1,1410)	1:425:A:ALA:HB2	1:426:A:SER:HA	8	0.16
(1,1410)	1:425:A:ALA:HB3	1:426:A:SER:HA	8	0.16
(1,1407)	1:426:A:SER:HA	1:430:A:GLU:H	5	0.16
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	3	0.16
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	3	0.16
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	3	0.16
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	18	0.16
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	18	0.16
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	18	0.16
(1,1384)	1:424:A:THR:HA	1:434:A:ILE:H	10	0.16
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD11	7	0.16
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD12	7	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD13	7	0.16
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	7	0.16
(1,1336)	1:422:A:VAL:HA	1:436:A:LEU:HB2	1	0.16
(1,1320)	1:465:A:GLN:HA	1:465:A:GLN:HG2	6	0.16
(1,1320)	1:465:A:GLN:HA	1:465:A:GLN:HG3	6	0.16
(1,1320)	1:465:A:GLN:HA	1:465:A:GLN:HG2	11	0.16
(1,1320)	1:465:A:GLN:HA	1:465:A:GLN:HG3	11	0.16
(1,1320)	1:465:A:GLN:HA	1:465:A:GLN:HG2	18	0.16
(1,1320)	1:465:A:GLN:HA	1:465:A:GLN:HG3	18	0.16
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	18	0.16
(1,1248)	1:389:A:ASN:HA	1:439:A:VAL:H	1	0.16
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	16	0.16
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	9	0.16
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG3	7	0.16
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG2	7	0.16
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG3	11	0.16
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG2	11	0.16
(1,1135)	1:462:A:LEU:HD11	1:463:A:SER:H	4	0.16
(1,1135)	1:462:A:LEU:HD12	1:463:A:SER:H	4	0.16
(1,1135)	1:462:A:LEU:HD13	1:463:A:SER:H	4	0.16
(1,1135)	1:462:A:LEU:HD11	1:463:A:SER:H	7	0.16
(1,1135)	1:462:A:LEU:HD12	1:463:A:SER:H	7	0.16
(1,1135)	1:462:A:LEU:HD13	1:463:A:SER:H	7	0.16
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	14	0.16
(1,1105)	1:435:A:GLN:HA	1:435:A:GLN:HE21	10	0.16
(1,1105)	1:435:A:GLN:HA	1:435:A:GLN:HE21	17	0.16
(1,1100)	1:425:A:ALA:HA	1:432:A:HIS:H	5	0.16
(1,1082)	1:407:A:LYS:HE2	1:408:A:THR:H	2	0.16
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	5	0.16
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	2	0.16
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	12	0.16
(1,1033)	1:367:A:PHE:H	1:369:A:PRO:HB3	19	0.16
(1,1020)	1:361:A:VAL:HA	1:363:A:LYS:H	1	0.16
(1,1011)	1:451:A:ASN:HD21	1:453:A:CYS:H	10	0.16
(1,1011)	1:451:A:ASN:HD22	1:453:A:CYS:H	10	0.16
(1,1011)	1:451:A:ASN:HD21	1:453:A:CYS:H	17	0.16
(1,1011)	1:451:A:ASN:HD22	1:453:A:CYS:H	17	0.16
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE21	20	0.16
(1,1010)	1:369:A:PRO:HG2	1:457:A:GLN:HE22	20	0.16
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE21	20	0.16
(1,1010)	1:369:A:PRO:HG3	1:457:A:GLN:HE22	20	0.16
(1,933)	1:392:A:LEU:HA	1:449:A:LEU:H	2	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,924)	1:407:A:LYS:HE3	1:408:A:THR:H	19	0.16
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	19	0.16
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	19	0.16
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	19	0.16
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	2	0.16
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	2	0.16
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	2	0.16
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	12	0.16
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	13	0.16
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	14	0.16
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	16	0.16
(1,854)	1:387:A:PRO:HA	1:390:A:VAL:H	16	0.16
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	12	0.16
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	17	0.16
(1,817)	1:365:A:GLY:H	1:366:A:ASN:HA	10	0.16
(1,817)	1:365:A:GLY:H	1:366:A:ASN:HA	16	0.16
(1,812)	1:363:A:LYS:HB3	1:365:A:GLY:H	7	0.16
(1,812)	1:363:A:LYS:HB3	1:365:A:GLY:H	10	0.16
(1,806)	1:380:A:PRO:HD2	1:382:A:HIS:H	4	0.16
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	7	0.16
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	18	0.16
(1,787)	1:377:A:GLN:H	1:378:A:GLN:HG2	4	0.16
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	7	0.16
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	10	0.16
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	17	0.16
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	2	0.16
(1,754)	1:400:A:VAL:HB	1:403:A:ALA:H	5	0.16
(1,754)	1:400:A:VAL:HB	1:403:A:ALA:H	12	0.16
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	5	0.16
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	6	0.16
(1,705)	1:425:A:ALA:HB1	1:432:A:HIS:H	2	0.16
(1,705)	1:425:A:ALA:HB2	1:432:A:HIS:H	2	0.16
(1,705)	1:425:A:ALA:HB3	1:432:A:HIS:H	2	0.16
(1,702)	1:424:A:THR:HB	1:432:A:HIS:H	7	0.16
(1,702)	1:424:A:THR:HB	1:432:A:HIS:H	16	0.16
(1,692)	1:359:A:VAL:H	1:385:A:PRO:HA	8	0.16
(1,669)	1:416:A:ASP:H	1:435:A:GLN:HA	5	0.16
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	7	0.16
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	7	0.16
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	7	0.16
(1,633)	1:359:A:VAL:HA	1:465:A:GLN:H	9	0.16
(1,629)	1:360:A:TYR:H	1:465:A:GLN:H	7	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:360:A:TYR:H	1:465:A:GLN:H	16	0.16
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	7	0.16
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	7	0.16
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	8	0.16
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	8	0.16
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB2	5	0.16
(1,618)	1:444:A:PHE:H	1:447:A:ARG:HB3	5	0.16
(1,601)	1:439:A:VAL:HG11	1:445:A:ALA:H	7	0.16
(1,601)	1:439:A:VAL:HG12	1:445:A:ALA:H	7	0.16
(1,601)	1:439:A:VAL:HG13	1:445:A:ALA:H	7	0.16
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	3	0.16
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	14	0.16
(1,558)	1:393:A:ARG:HG2	1:395:A:ILE:H	7	0.16
(1,557)	1:455:A:SER:H	1:456:A:LEU:HG	5	0.16
(1,550)	1:451:A:ASN:HD21	1:454:A:HIS:H	3	0.16
(1,550)	1:451:A:ASN:HD22	1:454:A:HIS:H	3	0.16
(1,536)	1:427:A:PHE:H	1:431:A:THR:HA	18	0.16
(1,523)	1:399:A:CYS:HB3	1:400:A:VAL:H	4	0.16
(1,482)	1:361:A:VAL:H	1:382:A:HIS:H	3	0.16
(1,479)	1:361:A:VAL:H	1:381:A:ASP:HA	9	0.16
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	1	0.16
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	10	0.16
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	15	0.16
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	17	0.16
(1,452)	1:445:A:ALA:HB1	1:448:A:PHE:H	4	0.16
(1,452)	1:445:A:ALA:HB2	1:448:A:PHE:H	4	0.16
(1,452)	1:445:A:ALA:HB3	1:448:A:PHE:H	4	0.16
(1,435)	1:372:A:ASP:H	1:375:A:ARG:H	15	0.16
(1,406)	1:434:A:ILE:H	1:435:A:GLN:HA	14	0.16
(1,382)	1:417:A:ASN:H	1:418:A:ARG:HB2	3	0.16
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	9	0.16
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	5	0.16
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	9	0.16
(1,355)	1:434:A:ILE:HD11	1:435:A:GLN:H	19	0.16
(1,355)	1:434:A:ILE:HD12	1:435:A:GLN:H	19	0.16
(1,355)	1:434:A:ILE:HD13	1:435:A:GLN:H	19	0.16
(1,316)	1:395:A:ILE:HB	1:397:A:GLN:H	8	0.16
(1,280)	1:407:A:LYS:H	1:408:A:THR:HB	1	0.16
(1,279)	1:407:A:LYS:H	1:427:A:PHE:HA	6	0.16
(1,263)	1:389:A:ASN:H	1:392:A:LEU:H	3	0.16
(1,263)	1:389:A:ASN:H	1:392:A:LEU:H	5	0.16
(1,232)	1:410:A:PHE:HA	1:412:A:TYR:H	1	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	5	0.16
(1,218)	1:373:A:PRO:HA	1:375:A:ARG:H	10	0.16
(1,198)	1:405:A:GLU:HA	1:408:A:THR:H	3	0.16
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	6	0.16
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	15	0.16
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE21	12	0.16
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE22	12	0.16
(1,189)	1:364:A:HIS:H	1:461:A:LEU:HA	17	0.16
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	7	0.16
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	7	0.16
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	9	0.16
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	9	0.16
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	9	0.16
(1,148)	1:361:A:VAL:HB	1:381:A:ASP:H	18	0.16
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	4	0.16
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	4	0.16
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	4	0.16
(1,131)	1:390:A:VAL:HA	1:394:A:ARG:H	1	0.16
(1,122)	1:449:A:LEU:HB2	1:453:A:CYS:H	3	0.16
(1,113)	1:424:A:THR:HA	1:433:A:SER:H	18	0.16
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG21	6	0.16
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG22	6	0.16
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG23	6	0.16
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG21	13	0.16
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG22	13	0.16
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG23	13	0.16
(1,106)	1:389:A:ASN:H	1:445:A:ALA:HB1	13	0.16
(1,106)	1:389:A:ASN:H	1:445:A:ALA:HB2	13	0.16
(1,106)	1:389:A:ASN:H	1:445:A:ALA:HB3	13	0.16
(1,103)	1:387:A:PRO:HB3	1:389:A:ASN:H	8	0.16
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	3	0.16
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	19	0.16
(1,97)	1:456:A:LEU:HG	1:458:A:CYS:H	20	0.16
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	19	0.16
(1,60)	1:384:A:GLY:H	1:386:A:GLY:H	3	0.16
(1,51)	1:420:A:GLY:H	1:435:A:GLN:HG2	19	0.16
(1,39)	1:419:A:GLY:H	1:435:A:GLN:HB2	18	0.16
(1,39)	1:419:A:GLY:H	1:435:A:GLN:HB3	18	0.16
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	7	0.16
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	7	0.15
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	7	0.15
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	16	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	16	0.15
(1,3114)	1:453:A:CYS:HB2	1:459:A:ASP:HA	15	0.15
(1,3114)	1:453:A:CYS:HB3	1:459:A:ASP:HA	15	0.15
(1,3100)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	20	0.15
(1,3100)	1:451:A:ASN:HD21	1:454:A:HIS:HB3	20	0.15
(1,3100)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	20	0.15
(1,3100)	1:451:A:ASN:HD22	1:454:A:HIS:HB3	20	0.15
(1,3097)	1:450:A:GLU:HB2	1:452:A:PHE:H	16	0.15
(1,3097)	1:450:A:GLU:HB3	1:452:A:PHE:H	16	0.15
(1,3090)	1:450:A:GLU:H	1:453:A:CYS:HB2	5	0.15
(1,3090)	1:450:A:GLU:H	1:453:A:CYS:HB3	5	0.15
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG2	20	0.15
(1,3072)	1:448:A:PHE:H	1:450:A:GLU:HG3	20	0.15
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG2	8	0.15
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG3	8	0.15
(1,3033)	1:439:A:VAL:HG11	1:444:A:PHE:HA	17	0.15
(1,3033)	1:439:A:VAL:HG12	1:444:A:PHE:HA	17	0.15
(1,3033)	1:439:A:VAL:HG13	1:444:A:PHE:HA	17	0.15
(1,3033)	1:439:A:VAL:HG21	1:444:A:PHE:HA	17	0.15
(1,3033)	1:439:A:VAL:HG22	1:444:A:PHE:HA	17	0.15
(1,3033)	1:439:A:VAL:HG23	1:444:A:PHE:HA	17	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG11	5	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG12	5	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG13	5	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG21	5	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG22	5	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG23	5	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG11	5	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG12	5	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG13	5	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG21	5	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG22	5	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG23	5	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG11	6	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG12	6	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG13	6	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG21	6	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG22	6	0.15
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG23	6	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG11	6	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG12	6	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG13	6	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG21	6	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG22	6	0.15
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG23	6	0.15
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG21	8	0.15
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG22	8	0.15
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG23	8	0.15
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG21	8	0.15
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG22	8	0.15
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG23	8	0.15
(1,3005)	1:432:A:HIS:HB2	1:433:A:SER:H	17	0.15
(1,3005)	1:432:A:HIS:HB3	1:433:A:SER:H	17	0.15
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB2	12	0.15
(1,3001)	1:431:A:THR:HG21	1:432:A:HIS:HB3	12	0.15
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB2	12	0.15
(1,3001)	1:431:A:THR:HG22	1:432:A:HIS:HB3	12	0.15
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB2	12	0.15
(1,3001)	1:431:A:THR:HG23	1:432:A:HIS:HB3	12	0.15
(1,2999)	1:430:A:GLU:HB2	1:431:A:THR:HB	18	0.15
(1,2999)	1:430:A:GLU:HB3	1:431:A:THR:HB	18	0.15
(1,2999)	1:430:A:GLU:HB2	1:431:A:THR:HB	20	0.15
(1,2999)	1:430:A:GLU:HB3	1:431:A:THR:HB	20	0.15
(1,2990)	1:426:A:SER:HB2	1:427:A:PHE:HA	6	0.15
(1,2990)	1:426:A:SER:HB3	1:427:A:PHE:HA	6	0.15
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD11	9	0.15
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD12	9	0.15
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD13	9	0.15
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD21	9	0.15
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD22	9	0.15
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD23	9	0.15
(1,2933)	1:416:A:ASP:HB2	1:418:A:ARG:H	18	0.15
(1,2933)	1:416:A:ASP:HB3	1:418:A:ARG:H	18	0.15
(1,2915)	1:414:A:LYS:H	1:414:A:LYS:HB2	18	0.15
(1,2915)	1:414:A:LYS:H	1:414:A:LYS:HB3	18	0.15
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	7	0.15
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	7	0.15
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	7	0.15
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	7	0.15
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	7	0.15
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	7	0.15
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	9	0.15
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	9	0.15
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	9	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	9	0.15
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	9	0.15
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	9	0.15
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	13	0.15
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	13	0.15
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	13	0.15
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	13	0.15
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	13	0.15
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	13	0.15
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	20	0.15
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	20	0.15
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	20	0.15
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	20	0.15
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	20	0.15
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	20	0.15
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	3	0.15
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	3	0.15
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	3	0.15
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	3	0.15
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	3	0.15
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	3	0.15
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	17	0.15
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	17	0.15
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	17	0.15
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	17	0.15
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	17	0.15
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	17	0.15
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	20	0.15
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	20	0.15
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	20	0.15
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	20	0.15
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	20	0.15
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	20	0.15
(1,2831)	1:400:A:VAL:HG11	1:403:A:ALA:H	20	0.15
(1,2831)	1:400:A:VAL:HG12	1:403:A:ALA:H	20	0.15
(1,2831)	1:400:A:VAL:HG13	1:403:A:ALA:H	20	0.15
(1,2831)	1:400:A:VAL:HG21	1:403:A:ALA:H	20	0.15
(1,2831)	1:400:A:VAL:HG22	1:403:A:ALA:H	20	0.15
(1,2831)	1:400:A:VAL:HG23	1:403:A:ALA:H	20	0.15
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD11	16	0.15
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD12	16	0.15
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD13	16	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD21	16	0.15
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD22	16	0.15
(1,2826)	1:400:A:VAL:H	1:413:A:LEU:HD23	16	0.15
(1,2796)	1:396:A:VAL:HG11	1:423:A:ILE:H	18	0.15
(1,2796)	1:396:A:VAL:HG12	1:423:A:ILE:H	18	0.15
(1,2796)	1:396:A:VAL:HG13	1:423:A:ILE:H	18	0.15
(1,2796)	1:396:A:VAL:HG21	1:423:A:ILE:H	18	0.15
(1,2796)	1:396:A:VAL:HG22	1:423:A:ILE:H	18	0.15
(1,2796)	1:396:A:VAL:HG23	1:423:A:ILE:H	18	0.15
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD2	18	0.15
(1,2703)	1:390:A:VAL:HA	1:394:A:ARG:HD3	18	0.15
(1,2677)	1:388:A:VAL:HG11	1:439:A:VAL:H	12	0.15
(1,2677)	1:388:A:VAL:HG12	1:439:A:VAL:H	12	0.15
(1,2677)	1:388:A:VAL:HG13	1:439:A:VAL:H	12	0.15
(1,2677)	1:388:A:VAL:HG21	1:439:A:VAL:H	12	0.15
(1,2677)	1:388:A:VAL:HG22	1:439:A:VAL:H	12	0.15
(1,2677)	1:388:A:VAL:HG23	1:439:A:VAL:H	12	0.15
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG11	20	0.15
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG12	20	0.15
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG13	20	0.15
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG21	20	0.15
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG22	20	0.15
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG23	20	0.15
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	11	0.15
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	11	0.15
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	13	0.15
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	13	0.15
(1,2626)	1:372:A:ASP:HB2	1:376:A:ILE:H	15	0.15
(1,2626)	1:372:A:ASP:HB3	1:376:A:ILE:H	15	0.15
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD2	8	0.15
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD3	8	0.15
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD2	8	0.15
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD3	8	0.15
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG11	12	0.15
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG12	12	0.15
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG13	12	0.15
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG21	12	0.15
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG22	12	0.15
(1,2596)	1:370:A:HIS:HD2	1:409:A:VAL:HG23	12	0.15
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB2	2	0.15
(1,2575)	1:367:A:PHE:H	1:458:A:CYS:HB3	2	0.15
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	15	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	15	0.15
(1,2553)	1:363:A:LYS:HE2	1:379:A:LEU:HG	19	0.15
(1,2553)	1:363:A:LYS:HE3	1:379:A:LEU:HG	19	0.15
(1,2546)	1:363:A:LYS:HE2	1:377:A:GLN:H	1	0.15
(1,2546)	1:363:A:LYS:HE3	1:377:A:GLN:H	1	0.15
(1,2514)	1:361:A:VAL:HG11	1:380:A:PRO:HG2	10	0.15
(1,2514)	1:361:A:VAL:HG12	1:380:A:PRO:HG2	10	0.15
(1,2514)	1:361:A:VAL:HG13	1:380:A:PRO:HG2	10	0.15
(1,2514)	1:361:A:VAL:HG21	1:380:A:PRO:HG2	10	0.15
(1,2514)	1:361:A:VAL:HG22	1:380:A:PRO:HG2	10	0.15
(1,2514)	1:361:A:VAL:HG23	1:380:A:PRO:HG2	10	0.15
(1,2514)	1:361:A:VAL:HG11	1:380:A:PRO:HG2	17	0.15
(1,2514)	1:361:A:VAL:HG12	1:380:A:PRO:HG2	17	0.15
(1,2514)	1:361:A:VAL:HG13	1:380:A:PRO:HG2	17	0.15
(1,2514)	1:361:A:VAL:HG21	1:380:A:PRO:HG2	17	0.15
(1,2514)	1:361:A:VAL:HG22	1:380:A:PRO:HG2	17	0.15
(1,2514)	1:361:A:VAL:HG23	1:380:A:PRO:HG2	17	0.15
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG11	19	0.15
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG12	19	0.15
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG13	19	0.15
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG21	19	0.15
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG22	19	0.15
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG23	19	0.15
(1,2426)	1:357:A:VAL:HG11	1:359:A:VAL:H	9	0.15
(1,2426)	1:357:A:VAL:HG12	1:359:A:VAL:H	9	0.15
(1,2426)	1:357:A:VAL:HG13	1:359:A:VAL:H	9	0.15
(1,2426)	1:357:A:VAL:HG21	1:359:A:VAL:H	9	0.15
(1,2426)	1:357:A:VAL:HG22	1:359:A:VAL:H	9	0.15
(1,2426)	1:357:A:VAL:HG23	1:359:A:VAL:H	9	0.15
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG11	11	0.15
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG12	11	0.15
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG13	11	0.15
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG21	11	0.15
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG22	11	0.15
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG23	11	0.15
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	6	0.15
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	6	0.15
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	6	0.15
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	6	0.15
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	6	0.15
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	6	0.15
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	6	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	6	0.15
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	6	0.15
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	11	0.15
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	11	0.15
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	11	0.15
(1,2359)	1:375:A:ARG:HB3	1:376:A:ILE:HA	19	0.15
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	7	0.15
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	12	0.15
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	9	0.15
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	3	0.15
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	7	0.15
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	18	0.15
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	1	0.15
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	6	0.15
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	10	0.15
(1,2307)	1:359:A:VAL:HG21	1:464:A:SER:HA	5	0.15
(1,2307)	1:359:A:VAL:HG22	1:464:A:SER:HA	5	0.15
(1,2307)	1:359:A:VAL:HG23	1:464:A:SER:HA	5	0.15
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	8	0.15
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	8	0.15
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	15	0.15
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	15	0.15
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	20	0.15
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	20	0.15
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	20	0.15
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	20	0.15
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	20	0.15
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	17	0.15
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	2	0.15
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	7	0.15
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	7	0.15
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	7	0.15
(1,2225)	1:415:A:PRO:HA	1:436:A:LEU:HG	13	0.15
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	3	0.15
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	7	0.15
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	14	0.15
(1,2198)	1:405:A:GLU:HA	1:407:A:LYS:HD2	17	0.15
(1,2173)	1:357:A:VAL:HA	1:442:A:ALA:HA	12	0.15
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	14	0.15
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	14	0.15
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	14	0.15
(1,2133)	1:375:A:ARG:HA	1:378:A:GLN:HE21	11	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2133)	1:375:A:ARG:HA	1:378:A:GLN:HE22	11	0.15
(1,2132)	1:375:A:ARG:HA	1:375:A:ARG:HD3	3	0.15
(1,2132)	1:375:A:ARG:HA	1:375:A:ARG:HD3	10	0.15
(1,2132)	1:375:A:ARG:HA	1:375:A:ARG:HD3	17	0.15
(1,2112)	1:446:A:LEU:HD21	1:464:A:SER:HA	14	0.15
(1,2112)	1:446:A:LEU:HD22	1:464:A:SER:HA	14	0.15
(1,2112)	1:446:A:LEU:HD23	1:464:A:SER:HA	14	0.15
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	20	0.15
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	20	0.15
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	20	0.15
(1,2049)	1:398:A:ALA:HB1	1:399:A:CYS:HA	20	0.15
(1,2049)	1:398:A:ALA:HB2	1:399:A:CYS:HA	20	0.15
(1,2049)	1:398:A:ALA:HB3	1:399:A:CYS:HA	20	0.15
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	20	0.15
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	20	0.15
(1,1953)	1:374:A:LYS:HB2	1:375:A:ARG:HD3	1	0.15
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	12	0.15
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	12	0.15
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	4	0.15
(1,1927)	1:371:A:LEU:HD21	1:402:A:CYS:H	8	0.15
(1,1927)	1:371:A:LEU:HD22	1:402:A:CYS:H	8	0.15
(1,1927)	1:371:A:LEU:HD23	1:402:A:CYS:H	8	0.15
(1,1914)	1:367:A:PHE:HB2	1:371:A:LEU:HB3	7	0.15
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	17	0.15
(1,1878)	1:465:A:GLN:H	1:466:A:PRO:HD2	9	0.15
(1,1873)	1:448:A:PHE:HA	1:451:A:ASN:H	15	0.15
(1,1872)	1:444:A:PHE:HD1	1:448:A:PHE:HA	18	0.15
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	2	0.15
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	2	0.15
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	2	0.15
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	12	0.15
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	12	0.15
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	12	0.15
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	20	0.15
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	20	0.15
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	20	0.15
(1,1842)	1:371:A:LEU:HD21	1:402:A:CYS:HA	10	0.15
(1,1842)	1:371:A:LEU:HD22	1:402:A:CYS:HA	10	0.15
(1,1842)	1:371:A:LEU:HD23	1:402:A:CYS:HA	10	0.15
(1,1842)	1:371:A:LEU:HD21	1:402:A:CYS:HA	13	0.15
(1,1842)	1:371:A:LEU:HD22	1:402:A:CYS:HA	13	0.15
(1,1842)	1:371:A:LEU:HD23	1:402:A:CYS:HA	13	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1833)	1:396:A:VAL:HG21	1:423:A:ILE:HG13	18	0.15
(1,1833)	1:396:A:VAL:HG22	1:423:A:ILE:HG13	18	0.15
(1,1833)	1:396:A:VAL:HG23	1:423:A:ILE:HG13	18	0.15
(1,1830)	1:396:A:VAL:HA	1:423:A:ILE:HG13	12	0.15
(1,1824)	1:396:A:VAL:HA	1:399:A:CYS:H	1	0.15
(1,1819)	1:417:A:ASN:HA	1:418:A:ARG:HB2	2	0.15
(1,1819)	1:417:A:ASN:HA	1:418:A:ARG:HB2	13	0.15
(1,1779)	1:445:A:ALA:HB1	1:448:A:PHE:HB3	11	0.15
(1,1779)	1:445:A:ALA:HB2	1:448:A:PHE:HB3	11	0.15
(1,1779)	1:445:A:ALA:HB3	1:448:A:PHE:HB3	11	0.15
(1,1779)	1:445:A:ALA:HB1	1:448:A:PHE:HB2	11	0.15
(1,1779)	1:445:A:ALA:HB2	1:448:A:PHE:HB2	11	0.15
(1,1779)	1:445:A:ALA:HB3	1:448:A:PHE:HB2	11	0.15
(1,1776)	1:444:A:PHE:HD1	1:445:A:ALA:HB1	20	0.15
(1,1776)	1:444:A:PHE:HD1	1:445:A:ALA:HB2	20	0.15
(1,1776)	1:444:A:PHE:HD1	1:445:A:ALA:HB3	20	0.15
(1,1772)	1:445:A:ALA:HA	1:448:A:PHE:HB2	7	0.15
(1,1772)	1:445:A:ALA:HA	1:448:A:PHE:HB3	7	0.15
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD2	3	0.15
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD3	3	0.15
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD2	9	0.15
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD3	9	0.15
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD2	17	0.15
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD3	17	0.15
(1,1682)	1:407:A:LYS:HD2	1:427:A:PHE:HD1	1	0.15
(1,1682)	1:407:A:LYS:HD3	1:427:A:PHE:HD1	1	0.15
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	13	0.15
(1,1660)	1:363:A:LYS:HG3	1:376:A:ILE:HG21	4	0.15
(1,1660)	1:363:A:LYS:HG3	1:376:A:ILE:HG22	4	0.15
(1,1660)	1:363:A:LYS:HG3	1:376:A:ILE:HG23	4	0.15
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	15	0.15
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	18	0.15
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	3	0.15
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	7	0.15
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	8	0.15
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	15	0.15
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	1	0.15
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	19	0.15
(1,1575)	1:379:A:LEU:H	1:380:A:PRO:HD3	6	0.15
(1,1575)	1:379:A:LEU:H	1:380:A:PRO:HD3	19	0.15
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	2	0.15
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	11	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:386:A:GLY:HA3	1:387:A:PRO:HG2	7	0.15
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD11	5	0.15
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD12	5	0.15
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD13	5	0.15
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	8	0.15
(1,1507)	1:388:A:VAL:HA	1:391:A:VAL:H	18	0.15
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	4	0.15
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	11	0.15
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	20	0.15
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	17	0.15
(1,1465)	1:434:A:ILE:HA	1:434:A:ILE:HG12	17	0.15
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	9	0.15
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	9	0.15
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	9	0.15
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	15	0.15
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	15	0.15
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	15	0.15
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	18	0.15
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	18	0.15
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	18	0.15
(1,1414)	1:406:A:THR:HB	1:427:A:PHE:HA	9	0.15
(1,1414)	1:406:A:THR:HB	1:427:A:PHE:HA	13	0.15
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	19	0.15
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	19	0.15
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	19	0.15
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	9	0.15
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	9	0.15
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	9	0.15
(1,1384)	1:424:A:THR:HA	1:434:A:ILE:H	16	0.15
(1,1384)	1:424:A:THR:HA	1:434:A:ILE:H	17	0.15
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD11	6	0.15
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD12	6	0.15
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD13	6	0.15
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	9	0.15
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	9	0.15
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	9	0.15
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	4	0.15
(1,1300)	1:446:A:LEU:HD11	1:465:A:GLN:H	11	0.15
(1,1300)	1:446:A:LEU:HD12	1:465:A:GLN:H	11	0.15
(1,1300)	1:446:A:LEU:HD13	1:465:A:GLN:H	11	0.15
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	2	0.15
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	2	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	2	0.15
(1,1282)	1:372:A:ASP:H	1:404:A:LEU:HA	5	0.15
(1,1219)	1:371:A:LEU:HD21	1:456:A:LEU:HB2	14	0.15
(1,1219)	1:371:A:LEU:HD22	1:456:A:LEU:HB2	14	0.15
(1,1219)	1:371:A:LEU:HD23	1:456:A:LEU:HB2	14	0.15
(1,1170)	1:377:A:GLN:HA	1:379:A:LEU:HG	1	0.15
(1,1168)	1:368:A:GLY:H	1:369:A:PRO:HD2	13	0.15
(1,1137)	1:464:A:SER:HA	1:465:A:GLN:HE21	11	0.15
(1,1137)	1:464:A:SER:HA	1:465:A:GLN:HE22	11	0.15
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	11	0.15
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	20	0.15
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD21	1	0.15
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD22	1	0.15
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD21	17	0.15
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD22	17	0.15
(1,1103)	1:426:A:SER:H	1:432:A:HIS:H	6	0.15
(1,1103)	1:426:A:SER:H	1:432:A:HIS:H	16	0.15
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	9	0.15
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	16	0.15
(1,1082)	1:407:A:LYS:HE2	1:408:A:THR:H	6	0.15
(1,1065)	1:392:A:LEU:H	1:394:A:ARG:H	6	0.15
(1,1062)	1:395:A:ILE:H	1:397:A:GLN:H	8	0.15
(1,1057)	1:393:A:ARG:HB2	1:394:A:ARG:H	16	0.15
(1,1055)	1:393:A:ARG:HB3	1:394:A:ARG:H	19	0.15
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	2	0.15
(1,1047)	1:388:A:VAL:HA	1:445:A:ALA:H	10	0.15
(1,1047)	1:388:A:VAL:HA	1:445:A:ALA:H	13	0.15
(1,1045)	1:357:A:VAL:H	1:386:A:GLY:HA2	20	0.15
(1,1006)	1:457:A:GLN:HA	1:457:A:GLN:HE21	12	0.15
(1,1006)	1:457:A:GLN:HA	1:457:A:GLN:HE22	12	0.15
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB1	12	0.15
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB2	12	0.15
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB3	12	0.15
(1,977)	1:435:A:GLN:HE21	1:437:A:PRO:HA	9	0.15
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	8	0.15
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	8	0.15
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	2	0.15
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	5	0.15
(1,932)	1:355:A:SER:H	1:388:A:VAL:H	14	0.15
(1,924)	1:407:A:LYS:HE3	1:408:A:THR:H	10	0.15
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD2	12	0.15
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD3	12	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	1:406:A:THR:HB	1:426:A:SER:H	11	0.15
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	14	0.15
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	14	0.15
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	14	0.15
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	5	0.15
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	16	0.15
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	6	0.15
(1,854)	1:387:A:PRO:HA	1:390:A:VAL:H	6	0.15
(1,854)	1:387:A:PRO:HA	1:390:A:VAL:H	20	0.15
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	11	0.15
(1,804)	1:360:A:TYR:HA	1:382:A:HIS:H	3	0.15
(1,795)	1:378:A:GLN:H	1:379:A:LEU:HG	19	0.15
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	16	0.15
(1,771)	1:376:A:ILE:HG21	1:379:A:LEU:H	9	0.15
(1,771)	1:376:A:ILE:HG22	1:379:A:LEU:H	9	0.15
(1,771)	1:376:A:ILE:HG23	1:379:A:LEU:H	9	0.15
(1,767)	1:411:A:GLY:HA3	1:413:A:LEU:H	11	0.15
(1,756)	1:400:A:VAL:HA	1:403:A:ALA:H	5	0.15
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD11	10	0.15
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD12	10	0.15
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD13	10	0.15
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	10	0.15
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	16	0.15
(1,695)	1:359:A:VAL:H	1:386:A:GLY:H	3	0.15
(1,689)	1:359:A:VAL:H	1:383:A:PHE:HB3	8	0.15
(1,686)	1:359:A:VAL:H	1:359:A:VAL:HB	9	0.15
(1,686)	1:359:A:VAL:H	1:359:A:VAL:HB	19	0.15
(1,658)	1:363:A:LYS:H	1:364:A:HIS:HB2	10	0.15
(1,644)	1:450:A:GLU:H	1:452:A:PHE:HB3	16	0.15
(1,634)	1:465:A:GLN:H	1:466:A:PRO:HD3	19	0.15
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	20	0.15
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	20	0.15
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	7	0.15
(1,614)	1:444:A:PHE:H	1:446:A:LEU:H	12	0.15
(1,601)	1:439:A:VAL:HG11	1:445:A:ALA:H	10	0.15
(1,601)	1:439:A:VAL:HG12	1:445:A:ALA:H	10	0.15
(1,601)	1:439:A:VAL:HG13	1:445:A:ALA:H	10	0.15
(1,601)	1:439:A:VAL:HG11	1:445:A:ALA:H	20	0.15
(1,601)	1:439:A:VAL:HG12	1:445:A:ALA:H	20	0.15
(1,601)	1:439:A:VAL:HG13	1:445:A:ALA:H	20	0.15
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	20	0.15
(1,578)	1:467:A:PHE:HB3	1:468:A:SER:H	11	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:467:A:PHE:HB2	1:468:A:SER:H	11	0.15
(1,570)	1:445:A:ALA:HB1	1:447:A:ARG:H	15	0.15
(1,570)	1:445:A:ALA:HB2	1:447:A:ARG:H	15	0.15
(1,570)	1:445:A:ALA:HB3	1:447:A:ARG:H	15	0.15
(1,557)	1:455:A:SER:H	1:456:A:LEU:HG	6	0.15
(1,557)	1:455:A:SER:H	1:456:A:LEU:HG	13	0.15
(1,550)	1:451:A:ASN:HD21	1:454:A:HIS:H	8	0.15
(1,550)	1:451:A:ASN:HD22	1:454:A:HIS:H	8	0.15
(1,549)	1:452:A:PHE:H	1:454:A:HIS:H	20	0.15
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	6	0.15
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	12	0.15
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	5	0.15
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	3	0.15
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	13	0.15
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	16	0.15
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	5	0.15
(1,454)	1:392:A:LEU:HD11	1:448:A:PHE:H	12	0.15
(1,454)	1:392:A:LEU:HD12	1:448:A:PHE:H	12	0.15
(1,454)	1:392:A:LEU:HD13	1:448:A:PHE:H	12	0.15
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	8	0.15
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	19	0.15
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	5	0.15
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	16	0.15
(1,407)	1:423:A:ILE:HA	1:434:A:ILE:H	7	0.15
(1,405)	1:433:A:SER:HB3	1:434:A:ILE:H	9	0.15
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	18	0.15
(1,379)	1:417:A:ASN:H	1:418:A:ARG:HG2	18	0.15
(1,369)	1:463:A:SER:HB3	1:464:A:SER:H	11	0.15
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG2	3	0.15
(1,368)	1:464:A:SER:H	1:465:A:GLN:HG3	3	0.15
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	2	0.15
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	12	0.15
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	13	0.15
(1,355)	1:434:A:ILE:HD11	1:435:A:GLN:H	4	0.15
(1,355)	1:434:A:ILE:HD12	1:435:A:GLN:H	4	0.15
(1,355)	1:434:A:ILE:HD13	1:435:A:GLN:H	4	0.15
(1,355)	1:434:A:ILE:HD11	1:435:A:GLN:H	13	0.15
(1,355)	1:434:A:ILE:HD12	1:435:A:GLN:H	13	0.15
(1,355)	1:434:A:ILE:HD13	1:435:A:GLN:H	13	0.15
(1,338)	1:422:A:VAL:H	1:436:A:LEU:H	4	0.15
(1,338)	1:422:A:VAL:H	1:436:A:LEU:H	17	0.15
(1,299)	1:425:A:ALA:HB1	1:426:A:SER:H	16	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:425:A:ALA:HB2	1:426:A:SER:H	16	0.15
(1,299)	1:425:A:ALA:HB3	1:426:A:SER:H	16	0.15
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	7	0.15
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	7	0.15
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	7	0.15
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	17	0.15
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	17	0.15
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	17	0.15
(1,240)	1:428:A:ASP:HA	1:430:A:GLU:H	10	0.15
(1,240)	1:428:A:ASP:HA	1:430:A:GLU:H	16	0.15
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	9	0.15
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	19	0.15
(1,200)	1:406:A:THR:HB	1:408:A:THR:H	6	0.15
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE21	3	0.15
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE22	3	0.15
(1,189)	1:364:A:HIS:H	1:461:A:LEU:HA	5	0.15
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB1	14	0.15
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB2	14	0.15
(1,183)	1:402:A:CYS:H	1:403:A:ALA:HB3	14	0.15
(1,180)	1:399:A:CYS:HA	1:402:A:CYS:H	10	0.15
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	1	0.15
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	4	0.15
(1,158)	1:374:A:LYS:H	1:375:A:ARG:HA	15	0.15
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	17	0.15
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	17	0.15
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	14	0.15
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	14	0.15
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	14	0.15
(1,128)	1:426:A:SER:HA	1:431:A:THR:H	17	0.15
(1,95)	1:369:A:PRO:HD3	1:458:A:CYS:H	2	0.15
(1,77)	1:462:A:LEU:HG	1:463:A:SER:H	5	0.15
(1,67)	1:386:A:GLY:H	1:391:A:VAL:HB	18	0.15
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	15	0.15
(1,59)	1:358:A:CYS:HA	1:384:A:GLY:H	15	0.15
(1,55)	1:418:A:ARG:HB3	1:420:A:GLY:H	3	0.15
(1,51)	1:420:A:GLY:H	1:435:A:GLN:HG2	2	0.15
(1,51)	1:420:A:GLY:H	1:435:A:GLN:HG2	6	0.15
(1,49)	1:420:A:GLY:H	1:436:A:LEU:HA	7	0.15
(1,41)	1:419:A:GLY:H	1:437:A:PRO:HA	10	0.15
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	6	0.15
(1,37)	1:419:A:GLY:H	1:435:A:GLN:HG2	8	0.15
(1,37)	1:419:A:GLY:H	1:435:A:GLN:HG2	10	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:367:A:PHE:HB3	1:368:A:GLY:H	10	0.15
(1,13)	1:408:A:THR:H	1:411:A:GLY:H	1	0.15
(1,13)	1:408:A:THR:H	1:411:A:GLY:H	8	0.15
(1,13)	1:408:A:THR:H	1:411:A:GLY:H	14	0.15
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	3	0.15
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	4	0.14
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	4	0.14
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	7	0.14
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	7	0.14
(1,3163)	1:463:A:SER:HA	1:464:A:SER:HB2	1	0.14
(1,3163)	1:463:A:SER:HA	1:464:A:SER:HB3	1	0.14
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB2	12	0.14
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB3	12	0.14
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB2	16	0.14
(1,3154)	1:462:A:LEU:H	1:463:A:SER:HB3	16	0.14
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD11	20	0.14
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD12	20	0.14
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD13	20	0.14
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD21	20	0.14
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD22	20	0.14
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD23	20	0.14
(1,3137)	1:459:A:ASP:HB2	1:460:A:ASN:H	9	0.14
(1,3137)	1:459:A:ASP:HB3	1:460:A:ASN:H	9	0.14
(1,3137)	1:459:A:ASP:HB2	1:460:A:ASN:H	13	0.14
(1,3137)	1:459:A:ASP:HB3	1:460:A:ASN:H	13	0.14
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	6	0.14
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	6	0.14
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	13	0.14
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	13	0.14
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	15	0.14
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	15	0.14
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB2	10	0.14
(1,3123)	1:456:A:LEU:H	1:458:A:CYS:HB3	10	0.14
(1,3056)	1:446:A:LEU:HB2	1:464:A:SER:H	13	0.14
(1,3056)	1:446:A:LEU:HB3	1:464:A:SER:H	13	0.14
(1,3036)	1:439:A:VAL:HG11	1:445:A:ALA:H	15	0.14
(1,3036)	1:439:A:VAL:HG12	1:445:A:ALA:H	15	0.14
(1,3036)	1:439:A:VAL:HG13	1:445:A:ALA:H	15	0.14
(1,3036)	1:439:A:VAL:HG21	1:445:A:ALA:H	15	0.14
(1,3036)	1:439:A:VAL:HG22	1:445:A:ALA:H	15	0.14
(1,3036)	1:439:A:VAL:HG23	1:445:A:ALA:H	15	0.14
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG11	18	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG12	18	0.14
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG13	18	0.14
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG21	18	0.14
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG22	18	0.14
(1,3023)	1:437:A:PRO:HD2	1:439:A:VAL:HG23	18	0.14
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG11	6	0.14
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG12	6	0.14
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG13	6	0.14
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG21	6	0.14
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG22	6	0.14
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG23	6	0.14
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG11	6	0.14
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG12	6	0.14
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG13	6	0.14
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG21	6	0.14
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG22	6	0.14
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG23	6	0.14
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG11	5	0.14
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG12	5	0.14
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG13	5	0.14
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG21	5	0.14
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG22	5	0.14
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG23	5	0.14
(1,2999)	1:430:A:GLU:HB2	1:431:A:THR:HB	12	0.14
(1,2999)	1:430:A:GLU:HB3	1:431:A:THR:HB	12	0.14
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB2	19	0.14
(1,2985)	1:425:A:ALA:HA	1:426:A:SER:HB3	19	0.14
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG11	11	0.14
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG12	11	0.14
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG13	11	0.14
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG21	11	0.14
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG22	11	0.14
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG23	11	0.14
(1,2940)	1:417:A:ASN:HB2	1:418:A:ARG:HA	7	0.14
(1,2940)	1:417:A:ASN:HB3	1:418:A:ARG:HA	7	0.14
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	5	0.14
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	5	0.14
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	15	0.14
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	15	0.14
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	17	0.14
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	17	0.14
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	16	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	16	0.14
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	16	0.14
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	16	0.14
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	16	0.14
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	16	0.14
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	9	0.14
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	9	0.14
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	9	0.14
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	9	0.14
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	9	0.14
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	9	0.14
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG11	11	0.14
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG12	11	0.14
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG13	11	0.14
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG21	11	0.14
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG22	11	0.14
(1,2859)	1:403:A:ALA:H	1:409:A:VAL:HG23	11	0.14
(1,2853)	1:401:A:ASP:H	1:409:A:VAL:HG11	17	0.14
(1,2853)	1:401:A:ASP:H	1:409:A:VAL:HG12	17	0.14
(1,2853)	1:401:A:ASP:H	1:409:A:VAL:HG13	17	0.14
(1,2853)	1:401:A:ASP:H	1:409:A:VAL:HG21	17	0.14
(1,2853)	1:401:A:ASP:H	1:409:A:VAL:HG22	17	0.14
(1,2853)	1:401:A:ASP:H	1:409:A:VAL:HG23	17	0.14
(1,2851)	1:400:A:VAL:HG11	1:452:A:PHE:HD1	7	0.14
(1,2851)	1:400:A:VAL:HG12	1:452:A:PHE:HD1	7	0.14
(1,2851)	1:400:A:VAL:HG13	1:452:A:PHE:HD1	7	0.14
(1,2851)	1:400:A:VAL:HG21	1:452:A:PHE:HD1	7	0.14
(1,2851)	1:400:A:VAL:HG22	1:452:A:PHE:HD1	7	0.14
(1,2851)	1:400:A:VAL:HG23	1:452:A:PHE:HD1	7	0.14
(1,2850)	1:400:A:VAL:HG11	1:426:A:SER:H	16	0.14
(1,2850)	1:400:A:VAL:HG12	1:426:A:SER:H	16	0.14
(1,2850)	1:400:A:VAL:HG13	1:426:A:SER:H	16	0.14
(1,2850)	1:400:A:VAL:HG21	1:426:A:SER:H	16	0.14
(1,2850)	1:400:A:VAL:HG22	1:426:A:SER:H	16	0.14
(1,2850)	1:400:A:VAL:HG23	1:426:A:SER:H	16	0.14
(1,2811)	1:398:A:ALA:HA	1:401:A:ASP:HB2	20	0.14
(1,2811)	1:398:A:ALA:HA	1:401:A:ASP:HB3	20	0.14
(1,2801)	1:396:A:VAL:HG11	1:424:A:THR:H	7	0.14
(1,2801)	1:396:A:VAL:HG12	1:424:A:THR:H	7	0.14
(1,2801)	1:396:A:VAL:HG13	1:424:A:THR:H	7	0.14
(1,2801)	1:396:A:VAL:HG21	1:424:A:THR:H	7	0.14
(1,2801)	1:396:A:VAL:HG22	1:424:A:THR:H	7	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2801)	1:396:A:VAL:HG23	1:424:A:THR:H	7	0.14
(1,2796)	1:396:A:VAL:HG11	1:423:A:ILE:H	4	0.14
(1,2796)	1:396:A:VAL:HG12	1:423:A:ILE:H	4	0.14
(1,2796)	1:396:A:VAL:HG13	1:423:A:ILE:H	4	0.14
(1,2796)	1:396:A:VAL:HG21	1:423:A:ILE:H	4	0.14
(1,2796)	1:396:A:VAL:HG22	1:423:A:ILE:H	4	0.14
(1,2796)	1:396:A:VAL:HG23	1:423:A:ILE:H	4	0.14
(1,2794)	1:396:A:VAL:HG11	1:410:A:PHE:HA	17	0.14
(1,2794)	1:396:A:VAL:HG12	1:410:A:PHE:HA	17	0.14
(1,2794)	1:396:A:VAL:HG13	1:410:A:PHE:HA	17	0.14
(1,2794)	1:396:A:VAL:HG21	1:410:A:PHE:HA	17	0.14
(1,2794)	1:396:A:VAL:HG22	1:410:A:PHE:HA	17	0.14
(1,2794)	1:396:A:VAL:HG23	1:410:A:PHE:HA	17	0.14
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	9	0.14
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	9	0.14
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	9	0.14
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	9	0.14
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	9	0.14
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	9	0.14
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG11	11	0.14
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG12	11	0.14
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG13	11	0.14
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG21	11	0.14
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG22	11	0.14
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG23	11	0.14
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD2	8	0.14
(1,2754)	1:393:A:ARG:HD2	1:394:A:ARG:HD3	8	0.14
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD2	8	0.14
(1,2754)	1:393:A:ARG:HD3	1:394:A:ARG:HD3	8	0.14
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG11	18	0.14
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG12	18	0.14
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG13	18	0.14
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG21	18	0.14
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG22	18	0.14
(1,2665)	1:387:A:PRO:HD3	1:391:A:VAL:HG23	18	0.14
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	3	0.14
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	3	0.14
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	3	0.14
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	3	0.14
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	3	0.14
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	3	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG11	4	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG12	4	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG13	4	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG21	4	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG22	4	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG23	4	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG11	9	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG12	9	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG13	9	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG21	9	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG22	9	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG23	9	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG11	11	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG12	11	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG13	11	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG21	11	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG22	11	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG23	11	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG11	13	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG12	13	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG13	13	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG21	13	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG22	13	0.14
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG23	13	0.14
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG11	15	0.14
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG12	15	0.14
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG13	15	0.14
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG21	15	0.14
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG22	15	0.14
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG23	15	0.14
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG11	17	0.14
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG12	17	0.14
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG13	17	0.14
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG21	17	0.14
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG22	17	0.14
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG23	17	0.14
(1,2632)	1:375:A:ARG:HA	1:402:A:CYS:HB2	14	0.14
(1,2632)	1:375:A:ARG:HA	1:402:A:CYS:HB3	14	0.14
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB2	16	0.14
(1,2631)	1:375:A:ARG:H	1:402:A:CYS:HB3	16	0.14
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD2	3	0.14
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD3	3	0.14
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD2	3	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD3	3	0.14
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB2	19	0.14
(1,2583)	1:369:A:PRO:HA	1:458:A:CYS:HB3	19	0.14
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	4	0.14
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	4	0.14
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	11	0.14
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	11	0.14
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	15	0.14
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	15	0.14
(1,2551)	1:363:A:LYS:HE2	1:379:A:LEU:H	10	0.14
(1,2551)	1:363:A:LYS:HE3	1:379:A:LEU:H	10	0.14
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	5	0.14
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	5	0.14
(1,2546)	1:363:A:LYS:HE2	1:377:A:GLN:H	3	0.14
(1,2546)	1:363:A:LYS:HE3	1:377:A:GLN:H	3	0.14
(1,2546)	1:363:A:LYS:HE2	1:377:A:GLN:H	12	0.14
(1,2546)	1:363:A:LYS:HE3	1:377:A:GLN:H	12	0.14
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	6	0.14
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	6	0.14
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	6	0.14
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	6	0.14
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	6	0.14
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	6	0.14
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	11	0.14
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	11	0.14
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	11	0.14
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	11	0.14
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	11	0.14
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	11	0.14
(1,2507)	1:361:A:VAL:HG11	1:363:A:LYS:HE2	8	0.14
(1,2507)	1:361:A:VAL:HG11	1:363:A:LYS:HE3	8	0.14
(1,2507)	1:361:A:VAL:HG12	1:363:A:LYS:HE2	8	0.14
(1,2507)	1:361:A:VAL:HG12	1:363:A:LYS:HE3	8	0.14
(1,2507)	1:361:A:VAL:HG13	1:363:A:LYS:HE2	8	0.14
(1,2507)	1:361:A:VAL:HG13	1:363:A:LYS:HE3	8	0.14
(1,2507)	1:361:A:VAL:HG21	1:363:A:LYS:HE2	8	0.14
(1,2507)	1:361:A:VAL:HG21	1:363:A:LYS:HE3	8	0.14
(1,2507)	1:361:A:VAL:HG22	1:363:A:LYS:HE2	8	0.14
(1,2507)	1:361:A:VAL:HG22	1:363:A:LYS:HE3	8	0.14
(1,2507)	1:361:A:VAL:HG23	1:363:A:LYS:HE2	8	0.14
(1,2507)	1:361:A:VAL:HG23	1:363:A:LYS:HE3	8	0.14
(1,2460)	1:359:A:VAL:HG11	1:360:A:TYR:H	18	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:359:A:VAL:HG12	1:360:A:TYR:H	18	0.14
(1,2460)	1:359:A:VAL:HG13	1:360:A:TYR:H	18	0.14
(1,2460)	1:359:A:VAL:HG21	1:360:A:TYR:H	18	0.14
(1,2460)	1:359:A:VAL:HG22	1:360:A:TYR:H	18	0.14
(1,2460)	1:359:A:VAL:HG23	1:360:A:TYR:H	18	0.14
(1,2456)	1:359:A:VAL:HA	1:463:A:SER:HB2	14	0.14
(1,2456)	1:359:A:VAL:HA	1:463:A:SER:HB3	14	0.14
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG11	18	0.14
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG12	18	0.14
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG13	18	0.14
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG21	18	0.14
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG22	18	0.14
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG23	18	0.14
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	5	0.14
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	10	0.14
(1,2394)	1:362:A:ASN:HB2	1:461:A:LEU:HA	14	0.14
(1,2375)	1:376:A:ILE:HD11	1:402:A:CYS:HA	1	0.14
(1,2375)	1:376:A:ILE:HD12	1:402:A:CYS:HA	1	0.14
(1,2375)	1:376:A:ILE:HD13	1:402:A:CYS:HA	1	0.14
(1,2359)	1:375:A:ARG:HB3	1:376:A:ILE:HA	10	0.14
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	1	0.14
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	15	0.14
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	1	0.14
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	19	0.14
(1,2356)	1:373:A:PRO:HB3	1:376:A:ILE:HB	13	0.14
(1,2354)	1:371:A:LEU:HD11	1:376:A:ILE:HB	12	0.14
(1,2354)	1:371:A:LEU:HD12	1:376:A:ILE:HB	12	0.14
(1,2354)	1:371:A:LEU:HD13	1:376:A:ILE:HB	12	0.14
(1,2350)	1:378:A:GLN:H	1:378:A:GLN:HG3	9	0.14
(1,2340)	1:396:A:VAL:HG21	1:452:A:PHE:HA	13	0.14
(1,2340)	1:396:A:VAL:HG22	1:452:A:PHE:HA	13	0.14
(1,2340)	1:396:A:VAL:HG23	1:452:A:PHE:HA	13	0.14
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	13	0.14
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	13	0.14
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	7	0.14
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	7	0.14
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	7	0.14
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	13	0.14
(1,2259)	1:378:A:GLN:HB3	1:379:A:LEU:HG	14	0.14
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB1	2	0.14
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB2	2	0.14
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB3	2	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	1:400:A:VAL:HA	1:403:A:ALA:HA	20	0.14
(1,2233)	1:415:A:PRO:HG2	1:416:A:ASP:H	2	0.14
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	5	0.14
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	5	0.14
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	5	0.14
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	8	0.14
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	8	0.14
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	8	0.14
(1,2222)	1:415:A:PRO:HA	1:434:A:ILE:HA	18	0.14
(1,2211)	1:418:A:ARG:HA	1:435:A:GLN:HE21	19	0.14
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	13	0.14
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	7	0.14
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	7	0.14
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	7	0.14
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	7	0.14
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	7	0.14
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	7	0.14
(1,2187)	1:425:A:ALA:HB1	1:433:A:SER:HA	11	0.14
(1,2187)	1:425:A:ALA:HB2	1:433:A:SER:HA	11	0.14
(1,2187)	1:425:A:ALA:HB3	1:433:A:SER:HA	11	0.14
(1,2132)	1:375:A:ARG:HA	1:375:A:ARG:HD3	5	0.14
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	15	0.14
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	15	0.14
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	15	0.14
(1,2035)	1:450:A:GLU:HA	1:453:A:CYS:H	13	0.14
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	6	0.14
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	12	0.14
(1,1997)	1:395:A:ILE:HG21	1:398:A:ALA:HB1	4	0.14
(1,1997)	1:395:A:ILE:HG21	1:398:A:ALA:HB2	4	0.14
(1,1997)	1:395:A:ILE:HG21	1:398:A:ALA:HB3	4	0.14
(1,1997)	1:395:A:ILE:HG22	1:398:A:ALA:HB1	4	0.14
(1,1997)	1:395:A:ILE:HG22	1:398:A:ALA:HB2	4	0.14
(1,1997)	1:395:A:ILE:HG22	1:398:A:ALA:HB3	4	0.14
(1,1997)	1:395:A:ILE:HG23	1:398:A:ALA:HB1	4	0.14
(1,1997)	1:395:A:ILE:HG23	1:398:A:ALA:HB2	4	0.14
(1,1997)	1:395:A:ILE:HG23	1:398:A:ALA:HB3	4	0.14
(1,1970)	1:395:A:ILE:HA	1:462:A:LEU:HG	10	0.14
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	2	0.14
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	2	0.14
(1,1935)	1:371:A:LEU:HD21	1:376:A:ILE:HD11	16	0.14
(1,1935)	1:371:A:LEU:HD21	1:376:A:ILE:HD12	16	0.14
(1,1935)	1:371:A:LEU:HD21	1:376:A:ILE:HD13	16	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1935)	1:371:A:LEU:HD22	1:376:A:ILE:HD11	16	0.14
(1,1935)	1:371:A:LEU:HD22	1:376:A:ILE:HD12	16	0.14
(1,1935)	1:371:A:LEU:HD22	1:376:A:ILE:HD13	16	0.14
(1,1935)	1:371:A:LEU:HD23	1:376:A:ILE:HD11	16	0.14
(1,1935)	1:371:A:LEU:HD23	1:376:A:ILE:HD12	16	0.14
(1,1935)	1:371:A:LEU:HD23	1:376:A:ILE:HD13	16	0.14
(1,1918)	1:379:A:LEU:HD11	1:380:A:PRO:HG3	8	0.14
(1,1918)	1:379:A:LEU:HD12	1:380:A:PRO:HG3	8	0.14
(1,1918)	1:379:A:LEU:HD13	1:380:A:PRO:HG3	8	0.14
(1,1904)	1:400:A:VAL:HG11	1:402:A:CYS:H	6	0.14
(1,1904)	1:400:A:VAL:HG12	1:402:A:CYS:H	6	0.14
(1,1904)	1:400:A:VAL:HG13	1:402:A:CYS:H	6	0.14
(1,1895)	1:400:A:VAL:HA	1:402:A:CYS:H	9	0.14
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	6	0.14
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	9	0.14
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	10	0.14
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG3	8	0.14
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG2	8	0.14
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG3	19	0.14
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG2	19	0.14
(1,1867)	1:354:A:MET:HA	1:355:A:SER:HB2	16	0.14
(1,1867)	1:354:A:MET:HA	1:355:A:SER:HB3	16	0.14
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	3	0.14
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	3	0.14
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	3	0.14
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	9	0.14
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	9	0.14
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	9	0.14
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	18	0.14
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	18	0.14
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	18	0.14
(1,1842)	1:371:A:LEU:HD21	1:402:A:CYS:HA	8	0.14
(1,1842)	1:371:A:LEU:HD22	1:402:A:CYS:HA	8	0.14
(1,1842)	1:371:A:LEU:HD23	1:402:A:CYS:HA	8	0.14
(1,1833)	1:396:A:VAL:HG21	1:423:A:ILE:HG13	12	0.14
(1,1833)	1:396:A:VAL:HG22	1:423:A:ILE:HG13	12	0.14
(1,1833)	1:396:A:VAL:HG23	1:423:A:ILE:HG13	12	0.14
(1,1818)	1:451:A:ASN:HA	1:454:A:HIS:H	18	0.14
(1,1807)	1:400:A:VAL:HG21	1:409:A:VAL:HB	15	0.14
(1,1807)	1:400:A:VAL:HG22	1:409:A:VAL:HB	15	0.14
(1,1807)	1:400:A:VAL:HG23	1:409:A:VAL:HB	15	0.14
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	3	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	15	0.14
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB1	7	0.14
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB2	7	0.14
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB3	7	0.14
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	5	0.14
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	20	0.14
(1,1724)	1:466:A:PRO:HA	1:468:A:SER:H	5	0.14
(1,1682)	1:407:A:LYS:HD2	1:427:A:PHE:HD1	10	0.14
(1,1682)	1:407:A:LYS:HD3	1:427:A:PHE:HD1	10	0.14
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	3	0.14
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	6	0.14
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	7	0.14
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	11	0.14
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	12	0.14
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	14	0.14
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	19	0.14
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	20	0.14
(1,1646)	1:363:A:LYS:HA	1:365:A:GLY:H	2	0.14
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	12	0.14
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	12	0.14
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	3	0.14
(1,1638)	1:383:A:PHE:HA	1:395:A:ILE:HD11	19	0.14
(1,1638)	1:383:A:PHE:HA	1:395:A:ILE:HD12	19	0.14
(1,1638)	1:383:A:PHE:HA	1:395:A:ILE:HD13	19	0.14
(1,1636)	1:401:A:ASP:HA	1:402:A:CYS:HA	1	0.14
(1,1636)	1:401:A:ASP:HA	1:402:A:CYS:HA	5	0.14
(1,1636)	1:401:A:ASP:HA	1:402:A:CYS:HA	10	0.14
(1,1636)	1:401:A:ASP:HA	1:402:A:CYS:HA	19	0.14
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB1	10	0.14
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB2	10	0.14
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB3	10	0.14
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB1	18	0.14
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB2	18	0.14
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB3	18	0.14
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	1	0.14
(1,1581)	1:380:A:PRO:HG3	1:382:A:HIS:H	7	0.14
(1,1580)	1:379:A:LEU:HD11	1:380:A:PRO:HD2	2	0.14
(1,1580)	1:379:A:LEU:HD12	1:380:A:PRO:HD2	2	0.14
(1,1580)	1:379:A:LEU:HD13	1:380:A:PRO:HD2	2	0.14
(1,1577)	1:379:A:LEU:HD21	1:380:A:PRO:HD2	2	0.14
(1,1577)	1:379:A:LEU:HD22	1:380:A:PRO:HD2	2	0.14
(1,1577)	1:379:A:LEU:HD23	1:380:A:PRO:HD2	2	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:379:A:LEU:HD21	1:380:A:PRO:HD2	18	0.14
(1,1577)	1:379:A:LEU:HD22	1:380:A:PRO:HD2	18	0.14
(1,1577)	1:379:A:LEU:HD23	1:380:A:PRO:HD2	18	0.14
(1,1575)	1:379:A:LEU:H	1:380:A:PRO:HD3	15	0.14
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	12	0.14
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	3	0.14
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	3	0.14
(1,1567)	1:355:A:SER:HB2	1:440:A:ASN:HA	20	0.14
(1,1567)	1:355:A:SER:HB3	1:440:A:ASN:HA	20	0.14
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	20	0.14
(1,1529)	1:386:A:GLY:HA3	1:387:A:PRO:HG2	11	0.14
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG21	20	0.14
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG22	20	0.14
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG23	20	0.14
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	3	0.14
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	10	0.14
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	18	0.14
(1,1491)	1:387:A:PRO:HA	1:388:A:VAL:HB	4	0.14
(1,1458)	1:434:A:ILE:HD11	1:436:A:LEU:HG	15	0.14
(1,1458)	1:434:A:ILE:HD12	1:436:A:LEU:HG	15	0.14
(1,1458)	1:434:A:ILE:HD13	1:436:A:LEU:HG	15	0.14
(1,1444)	1:415:A:PRO:HB2	1:434:A:ILE:HA	8	0.14
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	6	0.14
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	6	0.14
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	6	0.14
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	7	0.14
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	7	0.14
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	7	0.14
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	10	0.14
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	10	0.14
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	10	0.14
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	11	0.14
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	11	0.14
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	11	0.14
(1,1384)	1:424:A:THR:HA	1:434:A:ILE:H	20	0.14
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD11	3	0.14
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD12	3	0.14
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD13	3	0.14
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD11	4	0.14
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD12	4	0.14
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD13	4	0.14
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	15	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	15	0.14
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	15	0.14
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	18	0.14
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	19	0.14
(1,1267)	1:423:A:ILE:HB	1:433:A:SER:HA	3	0.14
(1,1266)	1:433:A:SER:HA	1:434:A:ILE:HG13	20	0.14
(1,1261)	1:369:A:PRO:HD3	1:457:A:GLN:HG3	12	0.14
(1,1239)	1:405:A:GLU:HB2	1:408:A:THR:HB	12	0.14
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG3	19	0.14
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG2	19	0.14
(1,1170)	1:377:A:GLN:HA	1:379:A:LEU:HG	3	0.14
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	2	0.14
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	2	0.14
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	7	0.14
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	7	0.14
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	8	0.14
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	8	0.14
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	10	0.14
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	10	0.14
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	1	0.14
(1,1158)	1:369:A:PRO:HA	1:371:A:LEU:HB2	12	0.14
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	11	0.14
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	11	0.14
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	11	0.14
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	17	0.14
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	17	0.14
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	17	0.14
(1,1140)	1:466:A:PRO:HG2	1:468:A:SER:H	4	0.14
(1,1135)	1:462:A:LEU:HD11	1:463:A:SER:H	1	0.14
(1,1135)	1:462:A:LEU:HD12	1:463:A:SER:H	1	0.14
(1,1135)	1:462:A:LEU:HD13	1:463:A:SER:H	1	0.14
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	18	0.14
(1,1124)	1:451:A:ASN:H	1:452:A:PHE:HB3	18	0.14
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	8	0.14
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	13	0.14
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	18	0.14
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD21	14	0.14
(1,1109)	1:439:A:VAL:HA	1:440:A:ASN:HD22	14	0.14
(1,1105)	1:435:A:GLN:HA	1:435:A:GLN:HE21	11	0.14
(1,1105)	1:435:A:GLN:HA	1:435:A:GLN:HE21	18	0.14
(1,1104)	1:432:A:HIS:H	1:433:A:SER:HA	7	0.14
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	16	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	20	0.14
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	18	0.14
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	20	0.14
(1,1045)	1:357:A:VAL:H	1:386:A:GLY:HA2	12	0.14
(1,1023)	1:377:A:GLN:H	1:378:A:GLN:HB2	20	0.14
(1,1020)	1:361:A:VAL:HA	1:363:A:LYS:H	5	0.14
(1,1013)	1:354:A:MET:HG3	1:389:A:ASN:H	9	0.14
(1,1006)	1:457:A:GLN:HA	1:457:A:GLN:HE21	7	0.14
(1,1006)	1:457:A:GLN:HA	1:457:A:GLN:HE22	7	0.14
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	1	0.14
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	17	0.14
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	20	0.14
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	6	0.14
(1,943)	1:400:A:VAL:H	1:403:A:ALA:H	13	0.14
(1,915)	1:363:A:LYS:HB2	1:364:A:HIS:H	9	0.14
(1,910)	1:426:A:SER:H	1:427:A:PHE:HB3	14	0.14
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	6	0.14
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	6	0.14
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	6	0.14
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	12	0.14
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	12	0.14
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	12	0.14
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	3	0.14
(1,885)	1:357:A:VAL:H	1:385:A:PRO:HB3	13	0.14
(1,883)	1:357:A:VAL:H	1:384:A:GLY:HA3	3	0.14
(1,883)	1:357:A:VAL:H	1:384:A:GLY:HA3	17	0.14
(1,855)	1:387:A:PRO:HD2	1:390:A:VAL:H	9	0.14
(1,854)	1:387:A:PRO:HA	1:390:A:VAL:H	8	0.14
(1,854)	1:387:A:PRO:HA	1:390:A:VAL:H	12	0.14
(1,853)	1:390:A:VAL:H	1:393:A:ARG:H	2	0.14
(1,817)	1:365:A:GLY:H	1:366:A:ASN:HA	3	0.14
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	2	0.14
(1,803)	1:382:A:HIS:H	1:383:A:PHE:H	19	0.14
(1,796)	1:376:A:ILE:HD11	1:378:A:GLN:H	16	0.14
(1,796)	1:376:A:ILE:HD12	1:378:A:GLN:H	16	0.14
(1,796)	1:376:A:ILE:HD13	1:378:A:GLN:H	16	0.14
(1,795)	1:378:A:GLN:H	1:379:A:LEU:HG	5	0.14
(1,793)	1:376:A:ILE:HG12	1:377:A:GLN:H	10	0.14
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	6	0.14
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	13	0.14
(1,771)	1:376:A:ILE:HG21	1:379:A:LEU:H	16	0.14
(1,771)	1:376:A:ILE:HG22	1:379:A:LEU:H	16	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:376:A:ILE:HG23	1:379:A:LEU:H	16	0.14
(1,767)	1:411:A:GLY:HA3	1:413:A:LEU:H	15	0.14
(1,766)	1:413:A:LEU:H	1:414:A:LYS:HA	19	0.14
(1,756)	1:400:A:VAL:HA	1:403:A:ALA:H	9	0.14
(1,744)	1:358:A:CYS:H	1:385:A:PRO:HA	3	0.14
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	9	0.14
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	11	0.14
(1,729)	1:362:A:ASN:H	1:461:A:LEU:HG	12	0.14
(1,727)	1:361:A:VAL:HB	1:362:A:ASN:H	14	0.14
(1,695)	1:359:A:VAL:H	1:386:A:GLY:H	14	0.14
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD11	12	0.14
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD12	12	0.14
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD13	12	0.14
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD11	20	0.14
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD12	20	0.14
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD13	20	0.14
(1,675)	1:371:A:LEU:HD21	1:404:A:LEU:H	19	0.14
(1,675)	1:371:A:LEU:HD22	1:404:A:LEU:H	19	0.14
(1,675)	1:371:A:LEU:HD23	1:404:A:LEU:H	19	0.14
(1,674)	1:416:A:ASP:H	1:434:A:ILE:HD11	8	0.14
(1,674)	1:416:A:ASP:H	1:434:A:ILE:HD12	8	0.14
(1,674)	1:416:A:ASP:H	1:434:A:ILE:HD13	8	0.14
(1,672)	1:415:A:PRO:HB2	1:416:A:ASP:H	19	0.14
(1,672)	1:415:A:PRO:HB3	1:416:A:ASP:H	19	0.14
(1,666)	1:448:A:PHE:HA	1:452:A:PHE:H	16	0.14
(1,658)	1:363:A:LYS:H	1:364:A:HIS:HB2	11	0.14
(1,658)	1:363:A:LYS:H	1:364:A:HIS:HB2	14	0.14
(1,658)	1:363:A:LYS:H	1:364:A:HIS:HB2	20	0.14
(1,647)	1:406:A:THR:HG21	1:425:A:ALA:H	18	0.14
(1,647)	1:406:A:THR:HG22	1:425:A:ALA:H	18	0.14
(1,647)	1:406:A:THR:HG23	1:425:A:ALA:H	18	0.14
(1,633)	1:359:A:VAL:HA	1:465:A:GLN:H	8	0.14
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	11	0.14
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	11	0.14
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	13	0.14
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD21	4	0.14
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD22	4	0.14
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD23	4	0.14
(1,568)	1:446:A:LEU:HD21	1:447:A:ARG:H	2	0.14
(1,568)	1:446:A:LEU:HD22	1:447:A:ARG:H	2	0.14
(1,568)	1:446:A:LEU:HD23	1:447:A:ARG:H	2	0.14
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	14	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	14	0.14
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	10	0.14
(1,523)	1:399:A:CYS:HB3	1:400:A:VAL:H	17	0.14
(1,507)	1:418:A:ARG:H	1:437:A:PRO:HA	7	0.14
(1,492)	1:397:A:GLN:HB3	1:398:A:ALA:H	12	0.14
(1,492)	1:397:A:GLN:HB3	1:398:A:ALA:H	13	0.14
(1,490)	1:396:A:VAL:HA	1:398:A:ALA:H	3	0.14
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	17	0.14
(1,482)	1:361:A:VAL:H	1:382:A:HIS:H	1	0.14
(1,479)	1:361:A:VAL:H	1:381:A:ASP:HA	7	0.14
(1,464)	1:356:A:THR:H	1:388:A:VAL:H	10	0.14
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	9	0.14
(1,444)	1:371:A:LEU:HD21	1:372:A:ASP:H	7	0.14
(1,444)	1:371:A:LEU:HD22	1:372:A:ASP:H	7	0.14
(1,444)	1:371:A:LEU:HD23	1:372:A:ASP:H	7	0.14
(1,444)	1:371:A:LEU:HD21	1:372:A:ASP:H	15	0.14
(1,444)	1:371:A:LEU:HD22	1:372:A:ASP:H	15	0.14
(1,444)	1:371:A:LEU:HD23	1:372:A:ASP:H	15	0.14
(1,440)	1:372:A:ASP:H	1:375:A:ARG:HD3	6	0.14
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	14	0.14
(1,435)	1:372:A:ASP:H	1:375:A:ARG:H	3	0.14
(1,435)	1:372:A:ASP:H	1:375:A:ARG:H	4	0.14
(1,407)	1:423:A:ILE:HA	1:434:A:ILE:H	18	0.14
(1,400)	1:424:A:THR:HG21	1:434:A:ILE:H	17	0.14
(1,400)	1:424:A:THR:HG22	1:434:A:ILE:H	17	0.14
(1,400)	1:424:A:THR:HG23	1:434:A:ILE:H	17	0.14
(1,375)	1:417:A:ASN:H	1:418:A:ARG:HA	3	0.14
(1,355)	1:434:A:ILE:HD11	1:435:A:GLN:H	8	0.14
(1,355)	1:434:A:ILE:HD12	1:435:A:GLN:H	8	0.14
(1,355)	1:434:A:ILE:HD13	1:435:A:GLN:H	8	0.14
(1,355)	1:434:A:ILE:HD11	1:435:A:GLN:H	16	0.14
(1,355)	1:434:A:ILE:HD12	1:435:A:GLN:H	16	0.14
(1,355)	1:434:A:ILE:HD13	1:435:A:GLN:H	16	0.14
(1,287)	1:405:A:GLU:HB3	1:407:A:LYS:H	1	0.14
(1,285)	1:406:A:THR:HG21	1:407:A:LYS:H	19	0.14
(1,285)	1:406:A:THR:HG22	1:407:A:LYS:H	19	0.14
(1,285)	1:406:A:THR:HG23	1:407:A:LYS:H	19	0.14
(1,263)	1:389:A:ASN:H	1:392:A:LEU:H	8	0.14
(1,263)	1:389:A:ASN:H	1:392:A:LEU:H	9	0.14
(1,263)	1:389:A:ASN:H	1:392:A:LEU:H	11	0.14
(1,263)	1:389:A:ASN:H	1:392:A:LEU:H	13	0.14
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	1	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:372:A:ASP:HA	1:375:A:ARG:H	1	0.14
(1,213)	1:373:A:PRO:HG2	1:375:A:ARG:H	11	0.14
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	2	0.14
(1,202)	1:390:A:VAL:HA	1:393:A:ARG:H	14	0.14
(1,198)	1:405:A:GLU:HA	1:408:A:THR:H	19	0.14
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	20	0.14
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE21	7	0.14
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE22	7	0.14
(1,163)	1:399:A:CYS:H	1:401:A:ASP:H	4	0.14
(1,163)	1:399:A:CYS:H	1:401:A:ASP:H	8	0.14
(1,163)	1:399:A:CYS:H	1:401:A:ASP:H	9	0.14
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	5	0.14
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	5	0.14
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	5	0.14
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	9	0.14
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	9	0.14
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	9	0.14
(1,128)	1:426:A:SER:HA	1:431:A:THR:H	5	0.14
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	9	0.14
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	9	0.14
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	9	0.14
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG21	12	0.14
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG22	12	0.14
(1,109)	1:433:A:SER:H	1:434:A:ILE:HG23	12	0.14
(1,100)	1:387:A:PRO:HA	1:389:A:ASN:H	7	0.14
(1,77)	1:462:A:LEU:HG	1:463:A:SER:H	17	0.14
(1,67)	1:386:A:GLY:H	1:391:A:VAL:HB	13	0.14
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	16	0.14
(1,59)	1:358:A:CYS:HA	1:384:A:GLY:H	2	0.14
(1,51)	1:420:A:GLY:H	1:435:A:GLN:HG2	11	0.14
(1,41)	1:419:A:GLY:H	1:437:A:PRO:HA	17	0.14
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	1	0.14
(1,16)	1:368:A:GLY:H	1:369:A:PRO:HG3	9	0.14
(1,3162)	1:463:A:SER:H	1:464:A:SER:HB2	15	0.13
(1,3162)	1:463:A:SER:H	1:464:A:SER:HB3	15	0.13
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	2	0.13
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	2	0.13
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	5	0.13
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	5	0.13
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	8	0.13
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	8	0.13
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	12	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	12	0.13
(1,3100)	1:451:A:ASN:HD21	1:454:A:HIS:HB2	1	0.13
(1,3100)	1:451:A:ASN:HD21	1:454:A:HIS:HB3	1	0.13
(1,3100)	1:451:A:ASN:HD22	1:454:A:HIS:HB2	1	0.13
(1,3100)	1:451:A:ASN:HD22	1:454:A:HIS:HB3	1	0.13
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG2	20	0.13
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG3	20	0.13
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB1	3	0.13
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB2	3	0.13
(1,3038)	1:439:A:VAL:HG11	1:445:A:ALA:HB3	3	0.13
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB1	3	0.13
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB2	3	0.13
(1,3038)	1:439:A:VAL:HG12	1:445:A:ALA:HB3	3	0.13
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB1	3	0.13
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB2	3	0.13
(1,3038)	1:439:A:VAL:HG13	1:445:A:ALA:HB3	3	0.13
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB1	3	0.13
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB2	3	0.13
(1,3038)	1:439:A:VAL:HG21	1:445:A:ALA:HB3	3	0.13
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB1	3	0.13
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB2	3	0.13
(1,3038)	1:439:A:VAL:HG22	1:445:A:ALA:HB3	3	0.13
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB1	3	0.13
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB2	3	0.13
(1,3038)	1:439:A:VAL:HG23	1:445:A:ALA:HB3	3	0.13
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG21	16	0.13
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG22	16	0.13
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG23	16	0.13
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG21	16	0.13
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG22	16	0.13
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG23	16	0.13
(1,3008)	1:433:A:SER:HB2	1:434:A:ILE:HA	17	0.13
(1,3008)	1:433:A:SER:HB3	1:434:A:ILE:HA	17	0.13
(1,3004)	1:432:A:HIS:HA	1:433:A:SER:HB2	4	0.13
(1,3004)	1:432:A:HIS:HA	1:433:A:SER:HB3	4	0.13
(1,2999)	1:430:A:GLU:HB2	1:431:A:THR:HB	4	0.13
(1,2999)	1:430:A:GLU:HB3	1:431:A:THR:HB	4	0.13
(1,2999)	1:430:A:GLU:HB2	1:431:A:THR:HB	5	0.13
(1,2999)	1:430:A:GLU:HB3	1:431:A:THR:HB	5	0.13
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	15	0.13
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	15	0.13
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	15	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	15	0.13
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	15	0.13
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	15	0.13
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE21	12	0.13
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE21	12	0.13
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE21	12	0.13
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE21	12	0.13
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE21	12	0.13
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE21	12	0.13
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE22	12	0.13
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE22	12	0.13
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE22	12	0.13
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE22	12	0.13
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE22	12	0.13
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE22	12	0.13
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG11	3	0.13
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG12	3	0.13
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG13	3	0.13
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG21	3	0.13
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG22	3	0.13
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG23	3	0.13
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG11	20	0.13
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG12	20	0.13
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG13	20	0.13
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG21	20	0.13
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG22	20	0.13
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG23	20	0.13
(1,2935)	1:416:A:ASP:HB2	1:435:A:GLN:H	6	0.13
(1,2935)	1:416:A:ASP:HB3	1:435:A:GLN:H	6	0.13
(1,2935)	1:416:A:ASP:HB2	1:435:A:GLN:H	20	0.13
(1,2935)	1:416:A:ASP:HB3	1:435:A:GLN:H	20	0.13
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	16	0.13
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	16	0.13
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	17	0.13
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	17	0.13
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	17	0.13
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	17	0.13
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	17	0.13
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	17	0.13
(1,2883)	1:409:A:VAL:HG11	1:410:A:PHE:HA	18	0.13
(1,2883)	1:409:A:VAL:HG12	1:410:A:PHE:HA	18	0.13
(1,2883)	1:409:A:VAL:HG13	1:410:A:PHE:HA	18	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2883)	1:409:A:VAL:HG21	1:410:A:PHE:HA	18	0.13
(1,2883)	1:409:A:VAL:HG22	1:410:A:PHE:HA	18	0.13
(1,2883)	1:409:A:VAL:HG23	1:410:A:PHE:HA	18	0.13
(1,2831)	1:400:A:VAL:HG11	1:403:A:ALA:H	5	0.13
(1,2831)	1:400:A:VAL:HG12	1:403:A:ALA:H	5	0.13
(1,2831)	1:400:A:VAL:HG13	1:403:A:ALA:H	5	0.13
(1,2831)	1:400:A:VAL:HG21	1:403:A:ALA:H	5	0.13
(1,2831)	1:400:A:VAL:HG22	1:403:A:ALA:H	5	0.13
(1,2831)	1:400:A:VAL:HG23	1:403:A:ALA:H	5	0.13
(1,2830)	1:400:A:VAL:HG11	1:402:A:CYS:H	4	0.13
(1,2830)	1:400:A:VAL:HG12	1:402:A:CYS:H	4	0.13
(1,2830)	1:400:A:VAL:HG13	1:402:A:CYS:H	4	0.13
(1,2830)	1:400:A:VAL:HG21	1:402:A:CYS:H	4	0.13
(1,2830)	1:400:A:VAL:HG22	1:402:A:CYS:H	4	0.13
(1,2830)	1:400:A:VAL:HG23	1:402:A:CYS:H	4	0.13
(1,2809)	1:398:A:ALA:H	1:400:A:VAL:HG11	20	0.13
(1,2809)	1:398:A:ALA:H	1:400:A:VAL:HG12	20	0.13
(1,2809)	1:398:A:ALA:H	1:400:A:VAL:HG13	20	0.13
(1,2809)	1:398:A:ALA:H	1:400:A:VAL:HG21	20	0.13
(1,2809)	1:398:A:ALA:H	1:400:A:VAL:HG22	20	0.13
(1,2809)	1:398:A:ALA:H	1:400:A:VAL:HG23	20	0.13
(1,2803)	1:396:A:VAL:HG11	1:452:A:PHE:HD1	10	0.13
(1,2803)	1:396:A:VAL:HG12	1:452:A:PHE:HD1	10	0.13
(1,2803)	1:396:A:VAL:HG13	1:452:A:PHE:HD1	10	0.13
(1,2803)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	10	0.13
(1,2803)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	10	0.13
(1,2803)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	10	0.13
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG11	5	0.13
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG12	5	0.13
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG13	5	0.13
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG21	5	0.13
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG22	5	0.13
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG23	5	0.13
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG11	12	0.13
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG12	12	0.13
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG13	12	0.13
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG21	12	0.13
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG22	12	0.13
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG23	12	0.13
(1,2772)	1:395:A:ILE:HG21	1:462:A:LEU:HD11	3	0.13
(1,2772)	1:395:A:ILE:HG21	1:462:A:LEU:HD12	3	0.13
(1,2772)	1:395:A:ILE:HG21	1:462:A:LEU:HD13	3	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2772)	1:395:A:ILE:HG21	1:462:A:LEU:HD21	3	0.13
(1,2772)	1:395:A:ILE:HG21	1:462:A:LEU:HD22	3	0.13
(1,2772)	1:395:A:ILE:HG21	1:462:A:LEU:HD23	3	0.13
(1,2772)	1:395:A:ILE:HG22	1:462:A:LEU:HD11	3	0.13
(1,2772)	1:395:A:ILE:HG22	1:462:A:LEU:HD12	3	0.13
(1,2772)	1:395:A:ILE:HG22	1:462:A:LEU:HD13	3	0.13
(1,2772)	1:395:A:ILE:HG22	1:462:A:LEU:HD21	3	0.13
(1,2772)	1:395:A:ILE:HG22	1:462:A:LEU:HD22	3	0.13
(1,2772)	1:395:A:ILE:HG22	1:462:A:LEU:HD23	3	0.13
(1,2772)	1:395:A:ILE:HG23	1:462:A:LEU:HD11	3	0.13
(1,2772)	1:395:A:ILE:HG23	1:462:A:LEU:HD12	3	0.13
(1,2772)	1:395:A:ILE:HG23	1:462:A:LEU:HD13	3	0.13
(1,2772)	1:395:A:ILE:HG23	1:462:A:LEU:HD21	3	0.13
(1,2772)	1:395:A:ILE:HG23	1:462:A:LEU:HD22	3	0.13
(1,2772)	1:395:A:ILE:HG23	1:462:A:LEU:HD23	3	0.13
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG11	17	0.13
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG12	17	0.13
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG13	17	0.13
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG21	17	0.13
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG22	17	0.13
(1,2760)	1:393:A:ARG:HD2	1:422:A:VAL:HG23	17	0.13
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG11	17	0.13
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG12	17	0.13
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG13	17	0.13
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG21	17	0.13
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG22	17	0.13
(1,2760)	1:393:A:ARG:HD3	1:422:A:VAL:HG23	17	0.13
(1,2731)	1:392:A:LEU:HD11	1:393:A:ARG:HB2	3	0.13
(1,2731)	1:392:A:LEU:HD12	1:393:A:ARG:HB2	3	0.13
(1,2731)	1:392:A:LEU:HD13	1:393:A:ARG:HB2	3	0.13
(1,2731)	1:392:A:LEU:HD21	1:393:A:ARG:HB2	3	0.13
(1,2731)	1:392:A:LEU:HD22	1:393:A:ARG:HB2	3	0.13
(1,2731)	1:392:A:LEU:HD23	1:393:A:ARG:HB2	3	0.13
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD11	11	0.13
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD12	11	0.13
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD13	11	0.13
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD11	11	0.13
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD12	11	0.13
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD13	11	0.13
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD11	11	0.13
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD12	11	0.13
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD13	11	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD11	11	0.13
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD12	11	0.13
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD13	11	0.13
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD11	11	0.13
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD12	11	0.13
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD13	11	0.13
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD11	11	0.13
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD12	11	0.13
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD13	11	0.13
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD11	20	0.13
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD12	20	0.13
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD13	20	0.13
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD11	20	0.13
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD12	20	0.13
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD13	20	0.13
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD11	20	0.13
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD12	20	0.13
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD13	20	0.13
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD11	20	0.13
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD12	20	0.13
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD13	20	0.13
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD11	20	0.13
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD12	20	0.13
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD13	20	0.13
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD11	20	0.13
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD12	20	0.13
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD13	20	0.13
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG11	14	0.13
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG12	14	0.13
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG13	14	0.13
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG21	14	0.13
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG22	14	0.13
(1,2654)	1:387:A:PRO:HA	1:391:A:VAL:HG23	14	0.13
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG11	10	0.13
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG12	10	0.13
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG13	10	0.13
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG21	10	0.13
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG22	10	0.13
(1,2650)	1:386:A:GLY:HA2	1:391:A:VAL:HG23	10	0.13
(1,2632)	1:375:A:ARG:HA	1:402:A:CYS:HB2	9	0.13
(1,2632)	1:375:A:ARG:HA	1:402:A:CYS:HB3	9	0.13
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD11	8	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD12	8	0.13
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD13	8	0.13
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD21	8	0.13
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD22	8	0.13
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD23	8	0.13
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD11	12	0.13
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD12	12	0.13
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD13	12	0.13
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD21	12	0.13
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD22	12	0.13
(1,2597)	1:370:A:HIS:HD2	1:456:A:LEU:HD23	12	0.13
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD11	5	0.13
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD12	5	0.13
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD13	5	0.13
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD21	5	0.13
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD22	5	0.13
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD23	5	0.13
(1,2566)	1:366:A:ASN:HB2	1:367:A:PHE:H	11	0.13
(1,2566)	1:366:A:ASN:HB3	1:367:A:PHE:H	11	0.13
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	17	0.13
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	17	0.13
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	20	0.13
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	20	0.13
(1,2551)	1:363:A:LYS:HE2	1:379:A:LEU:H	8	0.13
(1,2551)	1:363:A:LYS:HE3	1:379:A:LEU:H	8	0.13
(1,2546)	1:363:A:LYS:HE2	1:377:A:GLN:H	15	0.13
(1,2546)	1:363:A:LYS:HE3	1:377:A:GLN:H	15	0.13
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD11	14	0.13
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD12	14	0.13
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD13	14	0.13
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD21	14	0.13
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD22	14	0.13
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD23	14	0.13
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG2	10	0.13
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG2	10	0.13
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG2	10	0.13
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG2	10	0.13
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG2	10	0.13
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG2	10	0.13
(1,2505)	1:361:A:VAL:HG11	1:363:A:LYS:HG3	10	0.13
(1,2505)	1:361:A:VAL:HG12	1:363:A:LYS:HG3	10	0.13
(1,2505)	1:361:A:VAL:HG13	1:363:A:LYS:HG3	10	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2505)	1:361:A:VAL:HG21	1:363:A:LYS:HG3	10	0.13
(1,2505)	1:361:A:VAL:HG22	1:363:A:LYS:HG3	10	0.13
(1,2505)	1:361:A:VAL:HG23	1:363:A:LYS:HG3	10	0.13
(1,2499)	1:361:A:VAL:HG11	1:362:A:ASN:H	9	0.13
(1,2499)	1:361:A:VAL:HG12	1:362:A:ASN:H	9	0.13
(1,2499)	1:361:A:VAL:HG13	1:362:A:ASN:H	9	0.13
(1,2499)	1:361:A:VAL:HG21	1:362:A:ASN:H	9	0.13
(1,2499)	1:361:A:VAL:HG22	1:362:A:ASN:H	9	0.13
(1,2499)	1:361:A:VAL:HG23	1:362:A:ASN:H	9	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD11	2	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD12	2	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD13	2	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD21	2	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD22	2	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD23	2	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD11	6	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD12	6	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD13	6	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD21	6	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD22	6	0.13
(1,2486)	1:360:A:TYR:H	1:462:A:LEU:HD23	6	0.13
(1,2465)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	16	0.13
(1,2465)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	16	0.13
(1,2465)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	16	0.13
(1,2465)	1:359:A:VAL:HG21	1:383:A:PHE:HB3	16	0.13
(1,2465)	1:359:A:VAL:HG22	1:383:A:PHE:HB3	16	0.13
(1,2465)	1:359:A:VAL:HG23	1:383:A:PHE:HB3	16	0.13
(1,2460)	1:359:A:VAL:HG11	1:360:A:TYR:H	5	0.13
(1,2460)	1:359:A:VAL:HG12	1:360:A:TYR:H	5	0.13
(1,2460)	1:359:A:VAL:HG13	1:360:A:TYR:H	5	0.13
(1,2460)	1:359:A:VAL:HG21	1:360:A:TYR:H	5	0.13
(1,2460)	1:359:A:VAL:HG22	1:360:A:TYR:H	5	0.13
(1,2460)	1:359:A:VAL:HG23	1:360:A:TYR:H	5	0.13
(1,2460)	1:359:A:VAL:HG11	1:360:A:TYR:H	9	0.13
(1,2460)	1:359:A:VAL:HG12	1:360:A:TYR:H	9	0.13
(1,2460)	1:359:A:VAL:HG13	1:360:A:TYR:H	9	0.13
(1,2460)	1:359:A:VAL:HG21	1:360:A:TYR:H	9	0.13
(1,2460)	1:359:A:VAL:HG22	1:360:A:TYR:H	9	0.13
(1,2460)	1:359:A:VAL:HG23	1:360:A:TYR:H	9	0.13
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG11	2	0.13
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG12	2	0.13
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG13	2	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG21	2	0.13
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG22	2	0.13
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG23	2	0.13
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	18	0.13
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	16	0.13
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	16	0.13
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	16	0.13
(1,2361)	1:376:A:ILE:HA	1:378:A:GLN:HB2	6	0.13
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	3	0.13
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	13	0.13
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	14	0.13
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	19	0.13
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	12	0.13
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	14	0.13
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	16	0.13
(1,2301)	1:359:A:VAL:HB	1:360:A:TYR:HB2	8	0.13
(1,2299)	1:359:A:VAL:HA	1:395:A:ILE:HD11	14	0.13
(1,2299)	1:359:A:VAL:HA	1:395:A:ILE:HD12	14	0.13
(1,2299)	1:359:A:VAL:HA	1:395:A:ILE:HD13	14	0.13
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	7	0.13
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	7	0.13
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	14	0.13
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	14	0.13
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB3	16	0.13
(1,2297)	1:359:A:VAL:HA	1:360:A:TYR:HB2	16	0.13
(1,2248)	1:372:A:ASP:H	1:403:A:ALA:HB1	3	0.13
(1,2248)	1:372:A:ASP:H	1:403:A:ALA:HB2	3	0.13
(1,2248)	1:372:A:ASP:H	1:403:A:ALA:HB3	3	0.13
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB1	17	0.13
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB2	17	0.13
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB3	17	0.13
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	2	0.13
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	10	0.13
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	16	0.13
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	16	0.13
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	16	0.13
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	16	0.13
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	16	0.13
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	16	0.13
(1,2199)	1:405:A:GLU:HA	1:407:A:LYS:HB3	13	0.13
(1,2133)	1:375:A:ARG:HA	1:378:A:GLN:HE21	15	0.13
(1,2133)	1:375:A:ARG:HA	1:378:A:GLN:HE22	15	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2132)	1:375:A:ARG:HA	1:375:A:ARG:HD3	2	0.13
(1,2127)	1:438:A:PRO:HG2	1:439:A:VAL:H	9	0.13
(1,2127)	1:438:A:PRO:HG3	1:439:A:VAL:H	9	0.13
(1,2082)	1:453:A:CYS:H	1:454:A:HIS:HA	13	0.13
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	3	0.13
(1,2046)	1:399:A:CYS:HA	1:401:A:ASP:H	10	0.13
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	16	0.13
(1,2015)	1:387:A:PRO:HA	1:391:A:VAL:H	20	0.13
(1,2004)	1:395:A:ILE:HG21	1:449:A:LEU:HA	16	0.13
(1,2004)	1:395:A:ILE:HG22	1:449:A:LEU:HA	16	0.13
(1,2004)	1:395:A:ILE:HG23	1:449:A:LEU:HA	16	0.13
(1,1977)	1:395:A:ILE:HA	1:398:A:ALA:H	9	0.13
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	12	0.13
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	12	0.13
(1,1947)	1:375:A:ARG:HD3	1:403:A:ALA:H	3	0.13
(1,1944)	1:447:A:ARG:HA	1:451:A:ASN:HB2	16	0.13
(1,1944)	1:447:A:ARG:HA	1:451:A:ASN:HB3	16	0.13
(1,1940)	1:447:A:ARG:HA	1:450:A:GLU:HB3	9	0.13
(1,1902)	1:400:A:VAL:HG21	1:410:A:PHE:H	1	0.13
(1,1902)	1:400:A:VAL:HG22	1:410:A:PHE:H	1	0.13
(1,1902)	1:400:A:VAL:HG23	1:410:A:PHE:H	1	0.13
(1,1892)	1:415:A:PRO:HB2	1:416:A:ASP:HA	7	0.13
(1,1889)	1:367:A:PHE:HA	1:371:A:LEU:HG	11	0.13
(1,1888)	1:367:A:PHE:HA	1:376:A:ILE:HB	13	0.13
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG3	6	0.13
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG2	6	0.13
(1,1873)	1:448:A:PHE:HA	1:451:A:ASN:H	18	0.13
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG21	1	0.13
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG22	1	0.13
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG23	1	0.13
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG21	2	0.13
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG22	2	0.13
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG23	2	0.13
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG21	6	0.13
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG22	6	0.13
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG23	6	0.13
(1,1852)	1:406:A:THR:HG21	1:409:A:VAL:HA	19	0.13
(1,1852)	1:406:A:THR:HG22	1:409:A:VAL:HA	19	0.13
(1,1852)	1:406:A:THR:HG23	1:409:A:VAL:HA	19	0.13
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	13	0.13
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	13	0.13
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	13	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	14	0.13
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	14	0.13
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	14	0.13
(1,1843)	1:396:A:VAL:HG11	1:452:A:PHE:HA	2	0.13
(1,1843)	1:396:A:VAL:HG12	1:452:A:PHE:HA	2	0.13
(1,1843)	1:396:A:VAL:HG13	1:452:A:PHE:HA	2	0.13
(1,1842)	1:371:A:LEU:HD21	1:402:A:CYS:HA	9	0.13
(1,1842)	1:371:A:LEU:HD22	1:402:A:CYS:HA	9	0.13
(1,1842)	1:371:A:LEU:HD23	1:402:A:CYS:HA	9	0.13
(1,1838)	1:396:A:VAL:HG21	1:452:A:PHE:HD1	14	0.13
(1,1838)	1:396:A:VAL:HG22	1:452:A:PHE:HD1	14	0.13
(1,1838)	1:396:A:VAL:HG23	1:452:A:PHE:HD1	14	0.13
(1,1830)	1:396:A:VAL:HA	1:423:A:ILE:HG13	18	0.13
(1,1819)	1:417:A:ASN:HA	1:418:A:ARG:HB2	10	0.13
(1,1819)	1:417:A:ASN:HA	1:418:A:ARG:HB2	17	0.13
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB1	3	0.13
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB2	3	0.13
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB3	3	0.13
(1,1753)	1:360:A:TYR:HE1	1:466:A:PRO:HB3	19	0.13
(1,1741)	1:359:A:VAL:H	1:391:A:VAL:HA	4	0.13
(1,1736)	1:460:A:ASN:HA	1:461:A:LEU:HB2	13	0.13
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD2	14	0.13
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD3	14	0.13
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD2	18	0.13
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD3	18	0.13
(1,1682)	1:407:A:LYS:HD2	1:427:A:PHE:HD1	13	0.13
(1,1682)	1:407:A:LYS:HD3	1:427:A:PHE:HD1	13	0.13
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	8	0.13
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	15	0.13
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	9	0.13
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	14	0.13
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	14	0.13
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	14	0.13
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	16	0.13
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	20	0.13
(1,1634)	1:380:A:PRO:HG3	1:383:A:PHE:HA	9	0.13
(1,1580)	1:379:A:LEU:HD11	1:380:A:PRO:HD2	3	0.13
(1,1580)	1:379:A:LEU:HD12	1:380:A:PRO:HD2	3	0.13
(1,1580)	1:379:A:LEU:HD13	1:380:A:PRO:HD2	3	0.13
(1,1580)	1:379:A:LEU:HD11	1:380:A:PRO:HD2	8	0.13
(1,1580)	1:379:A:LEU:HD12	1:380:A:PRO:HD2	8	0.13
(1,1580)	1:379:A:LEU:HD13	1:380:A:PRO:HD2	8	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB1	13	0.13
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB2	13	0.13
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB3	13	0.13
(1,1571)	1:380:A:PRO:HA	1:381:A:ASP:HB2	12	0.13
(1,1547)	1:452:A:PHE:HA	1:453:A:CYS:HA	12	0.13
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	1	0.13
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	4	0.13
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	5	0.13
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	18	0.13
(1,1495)	1:388:A:VAL:HB	1:391:A:VAL:HB	1	0.13
(1,1491)	1:387:A:PRO:HA	1:388:A:VAL:HB	8	0.13
(1,1491)	1:387:A:PRO:HA	1:388:A:VAL:HB	12	0.13
(1,1491)	1:387:A:PRO:HA	1:388:A:VAL:HB	15	0.13
(1,1481)	1:414:A:LYS:HA	1:415:A:PRO:HB3	1	0.13
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	5	0.13
(1,1463)	1:434:A:ILE:HG21	1:435:A:GLN:HA	17	0.13
(1,1463)	1:434:A:ILE:HG22	1:435:A:GLN:HA	17	0.13
(1,1463)	1:434:A:ILE:HG23	1:435:A:GLN:HA	17	0.13
(1,1458)	1:434:A:ILE:HD11	1:436:A:LEU:HG	13	0.13
(1,1458)	1:434:A:ILE:HD12	1:436:A:LEU:HG	13	0.13
(1,1458)	1:434:A:ILE:HD13	1:436:A:LEU:HG	13	0.13
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	5	0.13
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	5	0.13
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	5	0.13
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	15	0.13
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	15	0.13
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	15	0.13
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	5	0.13
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	5	0.13
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	5	0.13
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	13	0.13
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	13	0.13
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	13	0.13
(1,1430)	1:431:A:THR:HB	1:432:A:HIS:H	8	0.13
(1,1430)	1:431:A:THR:HB	1:432:A:HIS:H	13	0.13
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG2	16	0.13
(1,1421)	1:430:A:GLU:HA	1:430:A:GLU:HG3	16	0.13
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	16	0.13
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	16	0.13
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	16	0.13
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	15	0.13
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	15	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	15	0.13
(1,1384)	1:424:A:THR:HA	1:434:A:ILE:H	9	0.13
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD11	2	0.13
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD12	2	0.13
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD13	2	0.13
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD11	5	0.13
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD12	5	0.13
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD13	5	0.13
(1,1378)	1:398:A:ALA:H	1:423:A:ILE:HD11	17	0.13
(1,1378)	1:398:A:ALA:H	1:423:A:ILE:HD12	17	0.13
(1,1378)	1:398:A:ALA:H	1:423:A:ILE:HD13	17	0.13
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	13	0.13
(1,1319)	1:372:A:ASP:HA	1:374:A:LYS:HE2	2	0.13
(1,1319)	1:372:A:ASP:HA	1:374:A:LYS:HE3	2	0.13
(1,1273)	1:372:A:ASP:H	1:404:A:LEU:HD11	20	0.13
(1,1273)	1:372:A:ASP:H	1:404:A:LEU:HD12	20	0.13
(1,1273)	1:372:A:ASP:H	1:404:A:LEU:HD13	20	0.13
(1,1261)	1:369:A:PRO:HD3	1:457:A:GLN:HG3	6	0.13
(1,1261)	1:369:A:PRO:HD3	1:457:A:GLN:HG3	8	0.13
(1,1252)	1:369:A:PRO:HD3	1:457:A:GLN:HA	2	0.13
(1,1244)	1:389:A:ASN:HA	1:421:A:GLU:HG2	1	0.13
(1,1196)	1:366:A:ASN:H	1:461:A:LEU:HA	17	0.13
(1,1194)	1:380:A:PRO:HB2	1:381:A:ASP:HA	4	0.13
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	5	0.13
(1,1184)	1:367:A:PHE:HB3	1:377:A:GLN:HG2	8	0.13
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	4	0.13
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	4	0.13
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	16	0.13
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	8	0.13
(1,1146)	1:400:A:VAL:HG21	1:410:A:PHE:HA	3	0.13
(1,1146)	1:400:A:VAL:HG22	1:410:A:PHE:HA	3	0.13
(1,1146)	1:400:A:VAL:HG23	1:410:A:PHE:HA	3	0.13
(1,1138)	1:358:A:CYS:H	1:464:A:SER:HB2	16	0.13
(1,1137)	1:464:A:SER:HA	1:465:A:GLN:HE21	15	0.13
(1,1137)	1:464:A:SER:HA	1:465:A:GLN:HE22	15	0.13
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	17	0.13
(1,1104)	1:432:A:HIS:H	1:433:A:SER:HA	13	0.13
(1,1104)	1:432:A:HIS:H	1:433:A:SER:HA	17	0.13
(1,1103)	1:426:A:SER:H	1:432:A:HIS:H	20	0.13
(1,1096)	1:418:A:ARG:H	1:420:A:GLY:H	1	0.13
(1,1084)	1:407:A:LYS:HG2	1:409:A:VAL:H	12	0.13
(1,1082)	1:407:A:LYS:HE2	1:408:A:THR:H	19	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	8	0.13
(1,1060)	1:392:A:LEU:H	1:394:A:ARG:HG2	1	0.13
(1,1060)	1:392:A:LEU:H	1:394:A:ARG:HG3	1	0.13
(1,1059)	1:392:A:LEU:H	1:393:A:ARG:HG2	16	0.13
(1,1045)	1:357:A:VAL:H	1:386:A:GLY:HA2	2	0.13
(1,1031)	1:367:A:PHE:H	1:369:A:PRO:HA	8	0.13
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	3	0.13
(1,1023)	1:377:A:GLN:H	1:378:A:GLN:HB2	9	0.13
(1,1023)	1:377:A:GLN:H	1:378:A:GLN:HB2	18	0.13
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB1	2	0.13
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB2	2	0.13
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB3	2	0.13
(1,965)	1:360:A:TYR:H	1:382:A:HIS:HA	8	0.13
(1,953)	1:395:A:ILE:H	1:398:A:ALA:H	15	0.13
(1,949)	1:452:A:PHE:HD2	1:454:A:HIS:H	8	0.13
(1,945)	1:387:A:PRO:HB3	1:391:A:VAL:H	15	0.13
(1,924)	1:407:A:LYS:HE3	1:408:A:THR:H	12	0.13
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	9	0.13
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	9	0.13
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	9	0.13
(1,919)	1:406:A:THR:HG21	1:408:A:THR:H	10	0.13
(1,919)	1:406:A:THR:HG22	1:408:A:THR:H	10	0.13
(1,919)	1:406:A:THR:HG23	1:408:A:THR:H	10	0.13
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD2	3	0.13
(1,914)	1:374:A:LYS:H	1:375:A:ARG:HD3	3	0.13
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	3	0.13
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	3	0.13
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	3	0.13
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	9	0.13
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	9	0.13
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	9	0.13
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	16	0.13
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	16	0.13
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	16	0.13
(1,862)	1:390:A:VAL:H	1:391:A:VAL:HB	2	0.13
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	20	0.13
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB1	17	0.13
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB2	17	0.13
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB3	17	0.13
(1,827)	1:456:A:LEU:HG	1:457:A:GLN:H	20	0.13
(1,803)	1:382:A:HIS:H	1:383:A:PHE:H	1	0.13
(1,803)	1:382:A:HIS:H	1:383:A:PHE:H	20	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,795)	1:378:A:GLN:H	1:379:A:LEU:HG	13	0.13
(1,795)	1:378:A:GLN:H	1:379:A:LEU:HG	14	0.13
(1,787)	1:377:A:GLN:H	1:378:A:GLN:HG2	7	0.13
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	5	0.13
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	11	0.13
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	14	0.13
(1,771)	1:376:A:ILE:HG21	1:379:A:LEU:H	4	0.13
(1,771)	1:376:A:ILE:HG22	1:379:A:LEU:H	4	0.13
(1,771)	1:376:A:ILE:HG23	1:379:A:LEU:H	4	0.13
(1,767)	1:411:A:GLY:HA3	1:413:A:LEU:H	16	0.13
(1,756)	1:400:A:VAL:HA	1:403:A:ALA:H	7	0.13
(1,752)	1:371:A:LEU:HD21	1:403:A:ALA:H	2	0.13
(1,752)	1:371:A:LEU:HD22	1:403:A:ALA:H	2	0.13
(1,752)	1:371:A:LEU:HD23	1:403:A:ALA:H	2	0.13
(1,745)	1:358:A:CYS:H	1:359:A:VAL:HA	6	0.13
(1,740)	1:360:A:TYR:H	1:360:A:TYR:HD1	10	0.13
(1,724)	1:362:A:ASN:H	1:363:A:LYS:HA	9	0.13
(1,716)	1:423:A:ILE:H	1:435:A:GLN:H	2	0.13
(1,716)	1:423:A:ILE:H	1:435:A:GLN:H	7	0.13
(1,711)	1:423:A:ILE:H	1:423:A:ILE:HG13	4	0.13
(1,705)	1:425:A:ALA:HB1	1:432:A:HIS:H	11	0.13
(1,705)	1:425:A:ALA:HB2	1:432:A:HIS:H	11	0.13
(1,705)	1:425:A:ALA:HB3	1:432:A:HIS:H	11	0.13
(1,705)	1:425:A:ALA:HB1	1:432:A:HIS:H	20	0.13
(1,705)	1:425:A:ALA:HB2	1:432:A:HIS:H	20	0.13
(1,705)	1:425:A:ALA:HB3	1:432:A:HIS:H	20	0.13
(1,692)	1:359:A:VAL:H	1:385:A:PRO:HA	9	0.13
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD11	18	0.13
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD12	18	0.13
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD13	18	0.13
(1,675)	1:371:A:LEU:HD21	1:404:A:LEU:H	5	0.13
(1,675)	1:371:A:LEU:HD22	1:404:A:LEU:H	5	0.13
(1,675)	1:371:A:LEU:HD23	1:404:A:LEU:H	5	0.13
(1,669)	1:416:A:ASP:H	1:435:A:GLN:HA	4	0.13
(1,646)	1:449:A:LEU:HB2	1:450:A:GLU:H	5	0.13
(1,637)	1:425:A:ALA:H	1:433:A:SER:H	2	0.13
(1,637)	1:425:A:ALA:H	1:433:A:SER:H	11	0.13
(1,633)	1:359:A:VAL:HA	1:465:A:GLN:H	10	0.13
(1,629)	1:360:A:TYR:H	1:465:A:GLN:H	4	0.13
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	10	0.13
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	10	0.13
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	13	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	13	0.13
(1,587)	1:421:A:GLU:H	1:439:A:VAL:H	1	0.13
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	15	0.13
(1,570)	1:445:A:ALA:HB1	1:447:A:ARG:H	5	0.13
(1,570)	1:445:A:ALA:HB2	1:447:A:ARG:H	5	0.13
(1,570)	1:445:A:ALA:HB3	1:447:A:ARG:H	5	0.13
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG2	3	0.13
(1,538)	1:427:A:PHE:H	1:430:A:GLU:HG3	3	0.13
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	8	0.13
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	14	0.13
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	11	0.13
(1,497)	1:395:A:ILE:HD11	1:398:A:ALA:H	1	0.13
(1,497)	1:395:A:ILE:HD12	1:398:A:ALA:H	1	0.13
(1,497)	1:395:A:ILE:HD13	1:398:A:ALA:H	1	0.13
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	15	0.13
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	20	0.13
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	20	0.13
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	2	0.13
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	11	0.13
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	18	0.13
(1,435)	1:372:A:ASP:H	1:375:A:ARG:H	6	0.13
(1,432)	1:423:A:ILE:H	1:436:A:LEU:H	8	0.13
(1,424)	1:421:A:GLU:HB3	1:436:A:LEU:H	1	0.13
(1,405)	1:433:A:SER:HB3	1:434:A:ILE:H	14	0.13
(1,405)	1:433:A:SER:HB3	1:434:A:ILE:H	16	0.13
(1,400)	1:424:A:THR:HG21	1:434:A:ILE:H	12	0.13
(1,400)	1:424:A:THR:HG22	1:434:A:ILE:H	12	0.13
(1,400)	1:424:A:THR:HG23	1:434:A:ILE:H	12	0.13
(1,375)	1:417:A:ASN:H	1:418:A:ARG:HA	15	0.13
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	3	0.13
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	16	0.13
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	16	0.13
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	16	0.13
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	18	0.13
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	18	0.13
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	18	0.13
(1,232)	1:410:A:PHE:HA	1:412:A:TYR:H	16	0.13
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	6	0.13
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	8	0.13
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	6	0.13
(1,213)	1:373:A:PRO:HG2	1:375:A:ARG:H	6	0.13
(1,213)	1:373:A:PRO:HG2	1:375:A:ARG:H	18	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	5	0.13
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	7	0.13
(1,202)	1:390:A:VAL:HA	1:393:A:ARG:H	10	0.13
(1,200)	1:406:A:THR:HB	1:408:A:THR:H	18	0.13
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	8	0.13
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE21	10	0.13
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE22	10	0.13
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE21	13	0.13
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE22	13	0.13
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE21	16	0.13
(1,192)	1:364:A:HIS:H	1:377:A:GLN:HE22	16	0.13
(1,176)	1:365:A:GLY:H	1:366:A:ASN:H	6	0.13
(1,176)	1:365:A:GLY:H	1:366:A:ASN:H	16	0.13
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	4	0.13
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	17	0.13
(1,158)	1:374:A:LYS:H	1:375:A:ARG:HA	5	0.13
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	1	0.13
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	1	0.13
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	15	0.13
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	15	0.13
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	19	0.13
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	19	0.13
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	2	0.13
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	2	0.13
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	2	0.13
(1,150)	1:361:A:VAL:HG11	1:381:A:ASP:H	3	0.13
(1,150)	1:361:A:VAL:HG12	1:381:A:ASP:H	3	0.13
(1,150)	1:361:A:VAL:HG13	1:381:A:ASP:H	3	0.13
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	5	0.13
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	5	0.13
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	5	0.13
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	9	0.13
(1,67)	1:386:A:GLY:H	1:391:A:VAL:HB	5	0.13
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	17	0.13
(1,40)	1:418:A:ARG:HB3	1:419:A:GLY:H	20	0.13
(1,37)	1:419:A:GLY:H	1:435:A:GLN:HG2	17	0.13
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	2	0.12
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	2	0.12
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB2	12	0.12
(1,3167)	1:464:A:SER:H	1:465:A:GLN:HB3	12	0.12
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD11	9	0.12
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD12	9	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD13	9	0.12
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD21	9	0.12
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD22	9	0.12
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD23	9	0.12
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	3	0.12
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	3	0.12
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB2	9	0.12
(1,3128)	1:457:A:GLN:H	1:458:A:CYS:HB3	9	0.12
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD11	10	0.12
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD12	10	0.12
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD13	10	0.12
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD21	10	0.12
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD22	10	0.12
(1,3118)	1:455:A:SER:H	1:456:A:LEU:HD23	10	0.12
(1,3090)	1:450:A:GLU:H	1:453:A:CYS:HB2	8	0.12
(1,3090)	1:450:A:GLU:H	1:453:A:CYS:HB3	8	0.12
(1,3080)	1:449:A:LEU:HB3	1:462:A:LEU:HD11	3	0.12
(1,3080)	1:449:A:LEU:HB3	1:462:A:LEU:HD12	3	0.12
(1,3080)	1:449:A:LEU:HB3	1:462:A:LEU:HD13	3	0.12
(1,3080)	1:449:A:LEU:HB3	1:462:A:LEU:HD21	3	0.12
(1,3080)	1:449:A:LEU:HB3	1:462:A:LEU:HD22	3	0.12
(1,3080)	1:449:A:LEU:HB3	1:462:A:LEU:HD23	3	0.12
(1,3069)	1:447:A:ARG:HG2	1:450:A:GLU:HG2	11	0.12
(1,3069)	1:447:A:ARG:HG2	1:450:A:GLU:HG3	11	0.12
(1,3069)	1:447:A:ARG:HG3	1:450:A:GLU:HG2	11	0.12
(1,3069)	1:447:A:ARG:HG3	1:450:A:GLU:HG3	11	0.12
(1,3069)	1:447:A:ARG:HG2	1:450:A:GLU:HG2	15	0.12
(1,3069)	1:447:A:ARG:HG2	1:450:A:GLU:HG3	15	0.12
(1,3069)	1:447:A:ARG:HG3	1:450:A:GLU:HG2	15	0.12
(1,3069)	1:447:A:ARG:HG3	1:450:A:GLU:HG3	15	0.12
(1,3056)	1:446:A:LEU:HB2	1:464:A:SER:H	2	0.12
(1,3056)	1:446:A:LEU:HB3	1:464:A:SER:H	2	0.12
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG11	3	0.12
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG12	3	0.12
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG13	3	0.12
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG21	3	0.12
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG22	3	0.12
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG23	3	0.12
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG11	3	0.12
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG12	3	0.12
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG13	3	0.12
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG21	3	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG22	3	0.12
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG23	3	0.12
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG11	11	0.12
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG12	11	0.12
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG13	11	0.12
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG21	11	0.12
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG22	11	0.12
(1,3022)	1:437:A:PRO:HG2	1:439:A:VAL:HG23	11	0.12
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG11	11	0.12
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG12	11	0.12
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG13	11	0.12
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG21	11	0.12
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG22	11	0.12
(1,3022)	1:437:A:PRO:HG3	1:439:A:VAL:HG23	11	0.12
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG11	11	0.12
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG12	11	0.12
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG13	11	0.12
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG21	11	0.12
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG22	11	0.12
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG23	11	0.12
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG11	11	0.12
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG12	11	0.12
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG13	11	0.12
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG21	11	0.12
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG22	11	0.12
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG23	11	0.12
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG11	15	0.12
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG12	15	0.12
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG13	15	0.12
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG21	15	0.12
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG22	15	0.12
(1,3021)	1:437:A:PRO:HB2	1:439:A:VAL:HG23	15	0.12
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG11	15	0.12
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG12	15	0.12
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG13	15	0.12
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG21	15	0.12
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG22	15	0.12
(1,3021)	1:437:A:PRO:HB3	1:439:A:VAL:HG23	15	0.12
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG11	4	0.12
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG12	4	0.12
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG13	4	0.12
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG21	4	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG22	4	0.12
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG23	4	0.12
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG11	8	0.12
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG12	8	0.12
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG13	8	0.12
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG21	8	0.12
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG22	8	0.12
(1,3020)	1:437:A:PRO:HA	1:439:A:VAL:HG23	8	0.12
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG21	10	0.12
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG22	10	0.12
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG23	10	0.12
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG21	10	0.12
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG22	10	0.12
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG23	10	0.12
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG21	18	0.12
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG22	18	0.12
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG23	18	0.12
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG21	18	0.12
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG22	18	0.12
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG23	18	0.12
(1,3005)	1:432:A:HIS:HB2	1:433:A:SER:H	1	0.12
(1,3005)	1:432:A:HIS:HB3	1:433:A:SER:H	1	0.12
(1,2991)	1:426:A:SER:HB2	1:431:A:THR:HA	19	0.12
(1,2991)	1:426:A:SER:HB3	1:431:A:THR:HA	19	0.12
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	10	0.12
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	10	0.12
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	10	0.12
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	10	0.12
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	10	0.12
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	10	0.12
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD11	15	0.12
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD12	15	0.12
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD13	15	0.12
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD21	15	0.12
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD22	15	0.12
(1,2977)	1:423:A:ILE:HA	1:436:A:LEU:HD23	15	0.12
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE21	10	0.12
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE21	10	0.12
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE21	10	0.12
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE21	10	0.12
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE21	10	0.12
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE21	10	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2973)	1:422:A:VAL:HG11	1:435:A:GLN:HE22	10	0.12
(1,2973)	1:422:A:VAL:HG12	1:435:A:GLN:HE22	10	0.12
(1,2973)	1:422:A:VAL:HG13	1:435:A:GLN:HE22	10	0.12
(1,2973)	1:422:A:VAL:HG21	1:435:A:GLN:HE22	10	0.12
(1,2973)	1:422:A:VAL:HG22	1:435:A:GLN:HE22	10	0.12
(1,2973)	1:422:A:VAL:HG23	1:435:A:GLN:HE22	10	0.12
(1,2967)	1:422:A:VAL:HG11	1:424:A:THR:HG21	19	0.12
(1,2967)	1:422:A:VAL:HG11	1:424:A:THR:HG22	19	0.12
(1,2967)	1:422:A:VAL:HG11	1:424:A:THR:HG23	19	0.12
(1,2967)	1:422:A:VAL:HG12	1:424:A:THR:HG21	19	0.12
(1,2967)	1:422:A:VAL:HG12	1:424:A:THR:HG22	19	0.12
(1,2967)	1:422:A:VAL:HG12	1:424:A:THR:HG23	19	0.12
(1,2967)	1:422:A:VAL:HG13	1:424:A:THR:HG21	19	0.12
(1,2967)	1:422:A:VAL:HG13	1:424:A:THR:HG22	19	0.12
(1,2967)	1:422:A:VAL:HG13	1:424:A:THR:HG23	19	0.12
(1,2967)	1:422:A:VAL:HG21	1:424:A:THR:HG21	19	0.12
(1,2967)	1:422:A:VAL:HG21	1:424:A:THR:HG22	19	0.12
(1,2967)	1:422:A:VAL:HG21	1:424:A:THR:HG23	19	0.12
(1,2967)	1:422:A:VAL:HG22	1:424:A:THR:HG21	19	0.12
(1,2967)	1:422:A:VAL:HG22	1:424:A:THR:HG22	19	0.12
(1,2967)	1:422:A:VAL:HG22	1:424:A:THR:HG23	19	0.12
(1,2967)	1:422:A:VAL:HG23	1:424:A:THR:HG21	19	0.12
(1,2967)	1:422:A:VAL:HG23	1:424:A:THR:HG22	19	0.12
(1,2967)	1:422:A:VAL:HG23	1:424:A:THR:HG23	19	0.12
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD11	1	0.12
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD12	1	0.12
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD13	1	0.12
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD21	1	0.12
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD22	1	0.12
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD23	1	0.12
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG11	7	0.12
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG12	7	0.12
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG13	7	0.12
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG21	7	0.12
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG22	7	0.12
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG23	7	0.12
(1,2951)	1:421:A:GLU:H	1:421:A:GLU:HG2	4	0.12
(1,2951)	1:421:A:GLU:H	1:421:A:GLU:HG3	4	0.12
(1,2950)	1:420:A:GLY:HA2	1:439:A:VAL:H	20	0.12
(1,2950)	1:420:A:GLY:HA3	1:439:A:VAL:H	20	0.12
(1,2945)	1:419:A:GLY:H	1:420:A:GLY:HA2	3	0.12
(1,2945)	1:419:A:GLY:H	1:420:A:GLY:HA3	3	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2943)	1:418:A:ARG:HD2	1:419:A:GLY:H	15	0.12
(1,2943)	1:418:A:ARG:HD3	1:419:A:GLY:H	15	0.12
(1,2936)	1:416:A:ASP:HB2	1:435:A:GLN:HA	3	0.12
(1,2936)	1:416:A:ASP:HB3	1:435:A:GLN:HA	3	0.12
(1,2935)	1:416:A:ASP:HB2	1:435:A:GLN:H	14	0.12
(1,2935)	1:416:A:ASP:HB3	1:435:A:GLN:H	14	0.12
(1,2932)	1:416:A:ASP:HB2	1:417:A:ASN:HA	7	0.12
(1,2932)	1:416:A:ASP:HB3	1:417:A:ASN:HA	7	0.12
(1,2926)	1:414:A:LYS:HG2	1:415:A:PRO:HD2	6	0.12
(1,2926)	1:414:A:LYS:HG3	1:415:A:PRO:HD2	6	0.12
(1,2926)	1:414:A:LYS:HG2	1:415:A:PRO:HD3	6	0.12
(1,2926)	1:414:A:LYS:HG3	1:415:A:PRO:HD3	6	0.12
(1,2915)	1:414:A:LYS:H	1:414:A:LYS:HB2	16	0.12
(1,2915)	1:414:A:LYS:H	1:414:A:LYS:HB3	16	0.12
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD11	6	0.12
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD12	6	0.12
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD13	6	0.12
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD21	6	0.12
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD22	6	0.12
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD23	6	0.12
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD11	6	0.12
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD12	6	0.12
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD13	6	0.12
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD21	6	0.12
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD22	6	0.12
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD23	6	0.12
(1,2893)	1:411:A:GLY:H	1:412:A:TYR:HB2	9	0.12
(1,2893)	1:411:A:GLY:H	1:412:A:TYR:HB3	9	0.12
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	11	0.12
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	11	0.12
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	11	0.12
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	11	0.12
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	11	0.12
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	11	0.12
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	12	0.12
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	12	0.12
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	12	0.12
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	12	0.12
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	12	0.12
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	12	0.12
(1,2832)	1:400:A:VAL:HG11	1:406:A:THR:H	1	0.12
(1,2832)	1:400:A:VAL:HG12	1:406:A:THR:H	1	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2832)	1:400:A:VAL:HG13	1:406:A:THR:H	1	0.12
(1,2832)	1:400:A:VAL:HG21	1:406:A:THR:H	1	0.12
(1,2832)	1:400:A:VAL:HG22	1:406:A:THR:H	1	0.12
(1,2832)	1:400:A:VAL:HG23	1:406:A:THR:H	1	0.12
(1,2831)	1:400:A:VAL:HG11	1:403:A:ALA:H	2	0.12
(1,2831)	1:400:A:VAL:HG12	1:403:A:ALA:H	2	0.12
(1,2831)	1:400:A:VAL:HG13	1:403:A:ALA:H	2	0.12
(1,2831)	1:400:A:VAL:HG21	1:403:A:ALA:H	2	0.12
(1,2831)	1:400:A:VAL:HG22	1:403:A:ALA:H	2	0.12
(1,2831)	1:400:A:VAL:HG23	1:403:A:ALA:H	2	0.12
(1,2831)	1:400:A:VAL:HG11	1:403:A:ALA:H	8	0.12
(1,2831)	1:400:A:VAL:HG12	1:403:A:ALA:H	8	0.12
(1,2831)	1:400:A:VAL:HG13	1:403:A:ALA:H	8	0.12
(1,2831)	1:400:A:VAL:HG21	1:403:A:ALA:H	8	0.12
(1,2831)	1:400:A:VAL:HG22	1:403:A:ALA:H	8	0.12
(1,2831)	1:400:A:VAL:HG23	1:403:A:ALA:H	8	0.12
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD11	18	0.12
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD12	18	0.12
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD13	18	0.12
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD21	18	0.12
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD22	18	0.12
(1,2816)	1:399:A:CYS:H	1:456:A:LEU:HD23	18	0.12
(1,2793)	1:396:A:VAL:HG11	1:401:A:ASP:H	3	0.12
(1,2793)	1:396:A:VAL:HG12	1:401:A:ASP:H	3	0.12
(1,2793)	1:396:A:VAL:HG13	1:401:A:ASP:H	3	0.12
(1,2793)	1:396:A:VAL:HG21	1:401:A:ASP:H	3	0.12
(1,2793)	1:396:A:VAL:HG22	1:401:A:ASP:H	3	0.12
(1,2793)	1:396:A:VAL:HG23	1:401:A:ASP:H	3	0.12
(1,2791)	1:396:A:VAL:HG11	1:400:A:VAL:HB	11	0.12
(1,2791)	1:396:A:VAL:HG12	1:400:A:VAL:HB	11	0.12
(1,2791)	1:396:A:VAL:HG13	1:400:A:VAL:HB	11	0.12
(1,2791)	1:396:A:VAL:HG21	1:400:A:VAL:HB	11	0.12
(1,2791)	1:396:A:VAL:HG22	1:400:A:VAL:HB	11	0.12
(1,2791)	1:396:A:VAL:HG23	1:400:A:VAL:HB	11	0.12
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG11	10	0.12
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG12	10	0.12
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG13	10	0.12
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG21	10	0.12
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG22	10	0.12
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG23	10	0.12
(1,2771)	1:395:A:ILE:HG21	1:462:A:LEU:HB2	8	0.12
(1,2771)	1:395:A:ILE:HG21	1:462:A:LEU:HB3	8	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2771)	1:395:A:ILE:HG22	1:462:A:LEU:HB2	8	0.12
(1,2771)	1:395:A:ILE:HG22	1:462:A:LEU:HB3	8	0.12
(1,2771)	1:395:A:ILE:HG23	1:462:A:LEU:HB2	8	0.12
(1,2771)	1:395:A:ILE:HG23	1:462:A:LEU:HB3	8	0.12
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD11	5	0.12
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD12	5	0.12
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD13	5	0.12
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD11	5	0.12
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD12	5	0.12
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD13	5	0.12
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD11	5	0.12
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD12	5	0.12
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD13	5	0.12
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD11	5	0.12
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD12	5	0.12
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD13	5	0.12
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD11	5	0.12
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD12	5	0.12
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD13	5	0.12
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD11	5	0.12
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD12	5	0.12
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD13	5	0.12
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG11	16	0.12
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG12	16	0.12
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG13	16	0.12
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG21	16	0.12
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG22	16	0.12
(1,2661)	1:387:A:PRO:HG3	1:391:A:VAL:HG23	16	0.12
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG11	12	0.12
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG12	12	0.12
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG13	12	0.12
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG21	12	0.12
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG22	12	0.12
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG23	12	0.12
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD2	6	0.12
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD3	6	0.12
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD2	6	0.12
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD3	6	0.12
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD2	19	0.12
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD3	19	0.12
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD2	19	0.12
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD3	19	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2615)	1:372:A:ASP:H	1:402:A:CYS:HB2	12	0.12
(1,2615)	1:372:A:ASP:H	1:402:A:CYS:HB3	12	0.12
(1,2601)	1:371:A:LEU:HA	1:402:A:CYS:HB2	8	0.12
(1,2601)	1:371:A:LEU:HA	1:402:A:CYS:HB3	8	0.12
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	1	0.12
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	1	0.12
(1,2551)	1:363:A:LYS:HE2	1:379:A:LEU:H	14	0.12
(1,2551)	1:363:A:LYS:HE3	1:379:A:LEU:H	14	0.12
(1,2551)	1:363:A:LYS:HE2	1:379:A:LEU:H	20	0.12
(1,2551)	1:363:A:LYS:HE3	1:379:A:LEU:H	20	0.12
(1,2550)	1:363:A:LYS:HE2	1:378:A:GLN:H	9	0.12
(1,2550)	1:363:A:LYS:HE3	1:378:A:GLN:H	9	0.12
(1,2546)	1:363:A:LYS:HE2	1:377:A:GLN:H	11	0.12
(1,2546)	1:363:A:LYS:HE3	1:377:A:GLN:H	11	0.12
(1,2546)	1:363:A:LYS:HE2	1:377:A:GLN:H	14	0.12
(1,2546)	1:363:A:LYS:HE3	1:377:A:GLN:H	14	0.12
(1,2516)	1:361:A:VAL:HG11	1:381:A:ASP:HA	16	0.12
(1,2516)	1:361:A:VAL:HG12	1:381:A:ASP:HA	16	0.12
(1,2516)	1:361:A:VAL:HG13	1:381:A:ASP:HA	16	0.12
(1,2516)	1:361:A:VAL:HG21	1:381:A:ASP:HA	16	0.12
(1,2516)	1:361:A:VAL:HG22	1:381:A:ASP:HA	16	0.12
(1,2516)	1:361:A:VAL:HG23	1:381:A:ASP:HA	16	0.12
(1,2507)	1:361:A:VAL:HG11	1:363:A:LYS:HE2	9	0.12
(1,2507)	1:361:A:VAL:HG11	1:363:A:LYS:HE3	9	0.12
(1,2507)	1:361:A:VAL:HG12	1:363:A:LYS:HE2	9	0.12
(1,2507)	1:361:A:VAL:HG12	1:363:A:LYS:HE3	9	0.12
(1,2507)	1:361:A:VAL:HG13	1:363:A:LYS:HE2	9	0.12
(1,2507)	1:361:A:VAL:HG13	1:363:A:LYS:HE3	9	0.12
(1,2507)	1:361:A:VAL:HG21	1:363:A:LYS:HE2	9	0.12
(1,2507)	1:361:A:VAL:HG21	1:363:A:LYS:HE3	9	0.12
(1,2507)	1:361:A:VAL:HG22	1:363:A:LYS:HE2	9	0.12
(1,2507)	1:361:A:VAL:HG22	1:363:A:LYS:HE3	9	0.12
(1,2507)	1:361:A:VAL:HG23	1:363:A:LYS:HE2	9	0.12
(1,2507)	1:361:A:VAL:HG23	1:363:A:LYS:HE3	9	0.12
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD11	14	0.12
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD12	14	0.12
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD13	14	0.12
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD21	14	0.12
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD22	14	0.12
(1,2490)	1:360:A:TYR:HA	1:462:A:LEU:HD23	14	0.12
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG11	9	0.12
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG12	9	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG13	9	0.12
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG21	9	0.12
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG22	9	0.12
(1,2458)	1:359:A:VAL:HB	1:391:A:VAL:HG23	9	0.12
(1,2453)	1:358:A:CYS:HB2	1:386:A:GLY:H	7	0.12
(1,2453)	1:358:A:CYS:HB3	1:386:A:GLY:H	7	0.12
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB2	9	0.12
(1,2445)	1:358:A:CYS:H	1:464:A:SER:HB3	9	0.12
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG11	6	0.12
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG12	6	0.12
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG13	6	0.12
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG21	6	0.12
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG22	6	0.12
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG23	6	0.12
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG11	17	0.12
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG12	17	0.12
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG13	17	0.12
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG21	17	0.12
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG22	17	0.12
(1,2415)	1:356:A:THR:H	1:388:A:VAL:HG23	17	0.12
(1,2398)	1:373:A:PRO:HA	1:377:A:GLN:HE21	1	0.12
(1,2398)	1:373:A:PRO:HA	1:377:A:GLN:HE22	1	0.12
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	2	0.12
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	2	0.12
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	2	0.12
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	17	0.12
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	17	0.12
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	17	0.12
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	18	0.12
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	18	0.12
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	18	0.12
(1,2359)	1:375:A:ARG:HB3	1:376:A:ILE:HA	16	0.12
(1,2358)	1:376:A:ILE:HA	1:378:A:GLN:H	11	0.12
(1,2357)	1:375:A:ARG:H	1:376:A:ILE:HB	8	0.12
(1,2307)	1:359:A:VAL:HG21	1:464:A:SER:HA	9	0.12
(1,2307)	1:359:A:VAL:HG22	1:464:A:SER:HA	9	0.12
(1,2307)	1:359:A:VAL:HG23	1:464:A:SER:HA	9	0.12
(1,2299)	1:359:A:VAL:HA	1:395:A:ILE:HD11	10	0.12
(1,2299)	1:359:A:VAL:HA	1:395:A:ILE:HD12	10	0.12
(1,2299)	1:359:A:VAL:HA	1:395:A:ILE:HD13	10	0.12
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	18	0.12
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	18	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	18	0.12
(1,2270)	1:461:A:LEU:HB3	1:462:A:LEU:HG	3	0.12
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB1	14	0.12
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB2	14	0.12
(1,2240)	1:400:A:VAL:HG21	1:403:A:ALA:HB3	14	0.12
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB1	14	0.12
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB2	14	0.12
(1,2240)	1:400:A:VAL:HG22	1:403:A:ALA:HB3	14	0.12
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB1	14	0.12
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB2	14	0.12
(1,2240)	1:400:A:VAL:HG23	1:403:A:ALA:HB3	14	0.12
(1,2236)	1:400:A:VAL:HA	1:403:A:ALA:HA	8	0.12
(1,2231)	1:415:A:PRO:HG3	1:434:A:ILE:HA	6	0.12
(1,2227)	1:414:A:LYS:H	1:415:A:PRO:HD3	14	0.12
(1,2227)	1:414:A:LYS:H	1:415:A:PRO:HD2	14	0.12
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	17	0.12
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	17	0.12
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	17	0.12
(1,2219)	1:450:A:GLU:H	1:451:A:ASN:HB2	13	0.12
(1,2219)	1:450:A:GLU:H	1:451:A:ASN:HB3	13	0.12
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	9	0.12
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	12	0.12
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	20	0.12
(1,2215)	1:450:A:GLU:HB3	1:451:A:ASN:HB2	15	0.12
(1,2215)	1:450:A:GLU:HB3	1:451:A:ASN:HB3	15	0.12
(1,2213)	1:451:A:ASN:HA	1:453:A:CYS:H	15	0.12
(1,2211)	1:418:A:ARG:HA	1:435:A:GLN:HE21	18	0.12
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	8	0.12
(1,2202)	1:405:A:GLU:HB2	1:408:A:THR:H	15	0.12
(1,2174)	1:442:A:ALA:HA	1:446:A:LEU:H	11	0.12
(1,2174)	1:442:A:ALA:HA	1:446:A:LEU:H	16	0.12
(1,2173)	1:357:A:VAL:HA	1:442:A:ALA:HA	19	0.12
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	6	0.12
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	6	0.12
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	6	0.12
(1,2152)	1:443:A:SER:HA	1:446:A:LEU:HG	7	0.12
(1,2152)	1:443:A:SER:HA	1:446:A:LEU:HG	14	0.12
(1,2144)	1:444:A:PHE:HA	1:444:A:PHE:HD1	8	0.12
(1,2137)	1:444:A:PHE:HA	1:447:A:ARG:HD2	13	0.12
(1,2137)	1:444:A:PHE:HA	1:447:A:ARG:HD3	13	0.12
(1,2132)	1:375:A:ARG:HA	1:375:A:ARG:HD3	1	0.12
(1,2132)	1:375:A:ARG:HA	1:375:A:ARG:HD3	16	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2082)	1:453:A:CYS:H	1:454:A:HIS:HA	16	0.12
(1,2034)	1:450:A:GLU:HA	1:452:A:PHE:H	14	0.12
(1,2004)	1:395:A:ILE:HG21	1:449:A:LEU:HA	20	0.12
(1,2004)	1:395:A:ILE:HG22	1:449:A:LEU:HA	20	0.12
(1,2004)	1:395:A:ILE:HG23	1:449:A:LEU:HA	20	0.12
(1,1987)	1:394:A:ARG:HB2	1:395:A:ILE:HD11	1	0.12
(1,1987)	1:394:A:ARG:HB2	1:395:A:ILE:HD12	1	0.12
(1,1987)	1:394:A:ARG:HB2	1:395:A:ILE:HD13	1	0.12
(1,1987)	1:394:A:ARG:HB3	1:395:A:ILE:HD11	1	0.12
(1,1987)	1:394:A:ARG:HB3	1:395:A:ILE:HD12	1	0.12
(1,1987)	1:394:A:ARG:HB3	1:395:A:ILE:HD13	1	0.12
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD11	9	0.12
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD12	9	0.12
(1,1982)	1:392:A:LEU:HA	1:395:A:ILE:HD13	9	0.12
(1,1977)	1:395:A:ILE:HA	1:398:A:ALA:H	1	0.12
(1,1977)	1:395:A:ILE:HA	1:398:A:ALA:H	12	0.12
(1,1943)	1:447:A:ARG:HA	1:448:A:PHE:HB2	11	0.12
(1,1940)	1:447:A:ARG:HA	1:450:A:GLU:HB3	16	0.12
(1,1927)	1:371:A:LEU:HD21	1:402:A:CYS:H	19	0.12
(1,1927)	1:371:A:LEU:HD22	1:402:A:CYS:H	19	0.12
(1,1927)	1:371:A:LEU:HD23	1:402:A:CYS:H	19	0.12
(1,1914)	1:367:A:PHE:HB2	1:371:A:LEU:HB3	11	0.12
(1,1904)	1:400:A:VAL:HG11	1:402:A:CYS:H	7	0.12
(1,1904)	1:400:A:VAL:HG12	1:402:A:CYS:H	7	0.12
(1,1904)	1:400:A:VAL:HG13	1:402:A:CYS:H	7	0.12
(1,1904)	1:400:A:VAL:HG11	1:402:A:CYS:H	9	0.12
(1,1904)	1:400:A:VAL:HG12	1:402:A:CYS:H	9	0.12
(1,1904)	1:400:A:VAL:HG13	1:402:A:CYS:H	9	0.12
(1,1904)	1:400:A:VAL:HG11	1:402:A:CYS:H	17	0.12
(1,1904)	1:400:A:VAL:HG12	1:402:A:CYS:H	17	0.12
(1,1904)	1:400:A:VAL:HG13	1:402:A:CYS:H	17	0.12
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	19	0.12
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	3	0.12
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	3	0.12
(1,1878)	1:465:A:GLN:H	1:466:A:PRO:HD2	1	0.12
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG21	20	0.12
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG22	20	0.12
(1,1859)	1:406:A:THR:HB	1:409:A:VAL:HG23	20	0.12
(1,1857)	1:409:A:VAL:HG21	1:412:A:TYR:H	17	0.12
(1,1857)	1:409:A:VAL:HG22	1:412:A:TYR:H	17	0.12
(1,1857)	1:409:A:VAL:HG23	1:412:A:TYR:H	17	0.12
(1,1857)	1:409:A:VAL:HG21	1:412:A:TYR:H	19	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1857)	1:409:A:VAL:HG22	1:412:A:TYR:H	19	0.12
(1,1857)	1:409:A:VAL:HG23	1:412:A:TYR:H	19	0.12
(1,1843)	1:396:A:VAL:HG11	1:452:A:PHE:HA	16	0.12
(1,1843)	1:396:A:VAL:HG12	1:452:A:PHE:HA	16	0.12
(1,1843)	1:396:A:VAL:HG13	1:452:A:PHE:HA	16	0.12
(1,1830)	1:396:A:VAL:HA	1:423:A:ILE:HG13	4	0.12
(1,1824)	1:396:A:VAL:HA	1:399:A:CYS:H	16	0.12
(1,1819)	1:417:A:ASN:HA	1:418:A:ARG:HB2	1	0.12
(1,1819)	1:417:A:ASN:HA	1:418:A:ARG:HB2	8	0.12
(1,1795)	1:406:A:THR:HG21	1:427:A:PHE:H	1	0.12
(1,1795)	1:406:A:THR:HG22	1:427:A:PHE:H	1	0.12
(1,1795)	1:406:A:THR:HG23	1:427:A:PHE:H	1	0.12
(1,1787)	1:406:A:THR:HB	1:427:A:PHE:HB2	8	0.12
(1,1776)	1:444:A:PHE:HD1	1:445:A:ALA:HB1	4	0.12
(1,1776)	1:444:A:PHE:HD1	1:445:A:ALA:HB2	4	0.12
(1,1776)	1:444:A:PHE:HD1	1:445:A:ALA:HB3	4	0.12
(1,1736)	1:460:A:ASN:HA	1:461:A:LEU:HB2	4	0.12
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	2	0.12
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	8	0.12
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	13	0.12
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	16	0.12
(1,1648)	1:363:A:LYS:HA	1:363:A:LYS:HG2	17	0.12
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	16	0.12
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	16	0.12
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	9	0.12
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	11	0.12
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	17	0.12
(1,1599)	1:367:A:PHE:HA	1:371:A:LEU:HB3	15	0.12
(1,1580)	1:379:A:LEU:HD11	1:380:A:PRO:HD2	7	0.12
(1,1580)	1:379:A:LEU:HD12	1:380:A:PRO:HD2	7	0.12
(1,1580)	1:379:A:LEU:HD13	1:380:A:PRO:HD2	7	0.12
(1,1575)	1:379:A:LEU:H	1:380:A:PRO:HD3	13	0.12
(1,1571)	1:380:A:PRO:HA	1:381:A:ASP:HB2	9	0.12
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB2	4	0.12
(1,1569)	1:354:A:MET:HG3	1:355:A:SER:HB3	4	0.12
(1,1547)	1:452:A:PHE:HA	1:453:A:CYS:HA	13	0.12
(1,1547)	1:452:A:PHE:HA	1:453:A:CYS:HA	16	0.12
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	13	0.12
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	15	0.12
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	16	0.12
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	19	0.12
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD11	13	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD12	13	0.12
(1,1523)	1:378:A:GLN:H	1:379:A:LEU:HD13	13	0.12
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG21	19	0.12
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG22	19	0.12
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG23	19	0.12
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	10	0.12
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	8	0.12
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	8	0.12
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	8	0.12
(1,1452)	1:434:A:ILE:HD11	1:435:A:GLN:HA	12	0.12
(1,1452)	1:434:A:ILE:HD12	1:435:A:GLN:HA	12	0.12
(1,1452)	1:434:A:ILE:HD13	1:435:A:GLN:HA	12	0.12
(1,1430)	1:431:A:THR:HB	1:432:A:HIS:H	15	0.12
(1,1430)	1:431:A:THR:HB	1:432:A:HIS:H	16	0.12
(1,1424)	1:430:A:GLU:HG2	1:431:A:THR:H	1	0.12
(1,1424)	1:430:A:GLU:HG3	1:431:A:THR:H	1	0.12
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	20	0.12
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	20	0.12
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	20	0.12
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD11	9	0.12
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD12	9	0.12
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD13	9	0.12
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD11	12	0.12
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD12	12	0.12
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD13	12	0.12
(1,1380)	1:400:A:VAL:H	1:423:A:ILE:HD11	14	0.12
(1,1380)	1:400:A:VAL:H	1:423:A:ILE:HD12	14	0.12
(1,1380)	1:400:A:VAL:H	1:423:A:ILE:HD13	14	0.12
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	14	0.12
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	14	0.12
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	14	0.12
(1,1370)	1:423:A:ILE:HD11	1:434:A:ILE:HG13	16	0.12
(1,1370)	1:423:A:ILE:HD12	1:434:A:ILE:HG13	16	0.12
(1,1370)	1:423:A:ILE:HD13	1:434:A:ILE:HG13	16	0.12
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	9	0.12
(1,1343)	1:422:A:VAL:HA	1:434:A:ILE:H	6	0.12
(1,1336)	1:422:A:VAL:HA	1:436:A:LEU:HB2	12	0.12
(1,1328)	1:389:A:ASN:HB2	1:421:A:GLU:HA	16	0.12
(1,1328)	1:389:A:ASN:HB3	1:421:A:GLU:HA	16	0.12
(1,1305)	1:437:A:PRO:HA	1:438:A:PRO:HG2	8	0.12
(1,1302)	1:438:A:PRO:HG2	1:439:A:VAL:HA	7	0.12
(1,1294)	1:439:A:VAL:HG21	1:444:A:PHE:HD1	15	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1294)	1:439:A:VAL:HG22	1:444:A:PHE:HD1	15	0.12
(1,1294)	1:439:A:VAL:HG23	1:444:A:PHE:HD1	15	0.12
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	10	0.12
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	10	0.12
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	10	0.12
(1,1287)	1:439:A:VAL:HB	1:444:A:PHE:HD1	20	0.12
(1,1266)	1:433:A:SER:HA	1:434:A:ILE:HG13	10	0.12
(1,1266)	1:433:A:SER:HA	1:434:A:ILE:HG13	15	0.12
(1,1265)	1:433:A:SER:HA	1:434:A:ILE:HD11	14	0.12
(1,1265)	1:433:A:SER:HA	1:434:A:ILE:HD12	14	0.12
(1,1265)	1:433:A:SER:HA	1:434:A:ILE:HD13	14	0.12
(1,1250)	1:456:A:LEU:HB2	1:457:A:GLN:HA	18	0.12
(1,1184)	1:367:A:PHE:HB3	1:377:A:GLN:HG2	15	0.12
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	6	0.12
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	6	0.12
(1,1163)	1:368:A:GLY:HA2	1:369:A:PRO:HG2	6	0.12
(1,1163)	1:368:A:GLY:HA3	1:369:A:PRO:HG2	6	0.12
(1,1163)	1:368:A:GLY:HA2	1:369:A:PRO:HG2	7	0.12
(1,1163)	1:368:A:GLY:HA3	1:369:A:PRO:HG2	7	0.12
(1,1160)	1:415:A:PRO:HA	1:435:A:GLN:HA	3	0.12
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	15	0.12
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	15	0.12
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	15	0.12
(1,1135)	1:462:A:LEU:HD11	1:463:A:SER:H	3	0.12
(1,1135)	1:462:A:LEU:HD12	1:463:A:SER:H	3	0.12
(1,1135)	1:462:A:LEU:HD13	1:463:A:SER:H	3	0.12
(1,1133)	1:367:A:PHE:H	1:459:A:ASP:H	17	0.12
(1,1126)	1:399:A:CYS:H	1:452:A:PHE:HZ	5	0.12
(1,1100)	1:425:A:ALA:HA	1:432:A:HIS:H	15	0.12
(1,1096)	1:418:A:ARG:H	1:420:A:GLY:H	17	0.12
(1,1094)	1:418:A:ARG:HB2	1:435:A:GLN:HE21	3	0.12
(1,1082)	1:407:A:LYS:HE2	1:408:A:THR:H	10	0.12
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	6	0.12
(1,1077)	1:415:A:PRO:HG3	1:416:A:ASP:H	13	0.12
(1,1065)	1:392:A:LEU:H	1:394:A:ARG:H	1	0.12
(1,1062)	1:395:A:ILE:H	1:397:A:GLN:H	4	0.12
(1,1053)	1:393:A:ARG:HA	1:395:A:ILE:H	15	0.12
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	19	0.12
(1,1045)	1:357:A:VAL:H	1:386:A:GLY:HA2	14	0.12
(1,1028)	1:367:A:PHE:H	1:367:A:PHE:HD1	4	0.12
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD21	1	0.12
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD22	1	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD21	18	0.12
(1,1027)	1:366:A:ASN:H	1:366:A:ASN:HD22	18	0.12
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	5	0.12
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB1	15	0.12
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB2	15	0.12
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB3	15	0.12
(1,958)	1:452:A:PHE:H	1:452:A:PHE:HD2	8	0.12
(1,943)	1:400:A:VAL:H	1:403:A:ALA:H	16	0.12
(1,932)	1:355:A:SER:H	1:388:A:VAL:H	4	0.12
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	10	0.12
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	10	0.12
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	10	0.12
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	20	0.12
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	20	0.12
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	20	0.12
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	15	0.12
(1,903)	1:354:A:MET:HB2	1:441:A:SER:H	20	0.12
(1,903)	1:354:A:MET:HB3	1:441:A:SER:H	20	0.12
(1,902)	1:451:A:ASN:HD21	1:452:A:PHE:HB2	6	0.12
(1,902)	1:451:A:ASN:HD22	1:452:A:PHE:HB2	6	0.12
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	4	0.12
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	5	0.12
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD21	9	0.12
(1,890)	1:366:A:ASN:H	1:460:A:ASN:HD22	9	0.12
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	10	0.12
(1,854)	1:387:A:PRO:HA	1:390:A:VAL:H	9	0.12
(1,817)	1:365:A:GLY:H	1:366:A:ASN:HA	8	0.12
(1,812)	1:363:A:LYS:HB3	1:365:A:GLY:H	6	0.12
(1,812)	1:363:A:LYS:HB3	1:365:A:GLY:H	9	0.12
(1,812)	1:363:A:LYS:HB3	1:365:A:GLY:H	13	0.12
(1,812)	1:363:A:LYS:HB3	1:365:A:GLY:H	20	0.12
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	14	0.12
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	16	0.12
(1,795)	1:378:A:GLN:H	1:379:A:LEU:HG	4	0.12
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	14	0.12
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	15	0.12
(1,767)	1:411:A:GLY:HA3	1:413:A:LEU:H	9	0.12
(1,765)	1:411:A:GLY:HA2	1:413:A:LEU:H	6	0.12
(1,765)	1:411:A:GLY:HA2	1:413:A:LEU:H	8	0.12
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	7	0.12
(1,756)	1:400:A:VAL:HA	1:403:A:ALA:H	15	0.12
(1,752)	1:371:A:LEU:HD21	1:403:A:ALA:H	8	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:371:A:LEU:HD22	1:403:A:ALA:H	8	0.12
(1,752)	1:371:A:LEU:HD23	1:403:A:ALA:H	8	0.12
(1,745)	1:358:A:CYS:H	1:359:A:VAL:HA	17	0.12
(1,740)	1:360:A:TYR:H	1:360:A:TYR:HD1	5	0.12
(1,716)	1:423:A:ILE:H	1:435:A:GLN:H	6	0.12
(1,711)	1:423:A:ILE:H	1:423:A:ILE:HG13	6	0.12
(1,700)	1:426:A:SER:HA	1:432:A:HIS:H	14	0.12
(1,692)	1:359:A:VAL:H	1:385:A:PRO:HA	10	0.12
(1,687)	1:359:A:VAL:H	1:391:A:VAL:HB	9	0.12
(1,686)	1:359:A:VAL:H	1:359:A:VAL:HB	11	0.12
(1,686)	1:359:A:VAL:H	1:359:A:VAL:HB	15	0.12
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD11	1	0.12
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD12	1	0.12
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD13	1	0.12
(1,666)	1:448:A:PHE:HA	1:452:A:PHE:H	18	0.12
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	5	0.12
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	5	0.12
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	5	0.12
(1,648)	1:424:A:THR:HG21	1:425:A:ALA:H	17	0.12
(1,648)	1:424:A:THR:HG22	1:425:A:ALA:H	17	0.12
(1,648)	1:424:A:THR:HG23	1:425:A:ALA:H	17	0.12
(1,633)	1:359:A:VAL:HA	1:465:A:GLN:H	19	0.12
(1,630)	1:464:A:SER:H	1:465:A:GLN:H	6	0.12
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	1	0.12
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	1	0.12
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA2	14	0.12
(1,627)	1:367:A:PHE:H	1:368:A:GLY:HA3	14	0.12
(1,626)	1:367:A:PHE:H	1:367:A:PHE:HB2	9	0.12
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	16	0.12
(1,623)	1:366:A:ASN:HB3	1:367:A:PHE:H	20	0.12
(1,604)	1:439:A:VAL:HB	1:445:A:ALA:H	8	0.12
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD21	15	0.12
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD22	15	0.12
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD23	15	0.12
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	10	0.12
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	11	0.12
(1,482)	1:361:A:VAL:H	1:382:A:HIS:H	19	0.12
(1,478)	1:359:A:VAL:HA	1:361:A:VAL:H	5	0.12
(1,478)	1:359:A:VAL:HA	1:361:A:VAL:H	10	0.12
(1,473)	1:388:A:VAL:H	1:391:A:VAL:HB	6	0.12
(1,468)	1:354:A:MET:HG3	1:388:A:VAL:H	1	0.12
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	4	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	6	0.12
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	11	0.12
(1,452)	1:445:A:ALA:HB1	1:448:A:PHE:H	15	0.12
(1,452)	1:445:A:ALA:HB2	1:448:A:PHE:H	15	0.12
(1,452)	1:445:A:ALA:HB3	1:448:A:PHE:H	15	0.12
(1,438)	1:372:A:ASP:H	1:373:A:PRO:HD3	7	0.12
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	4	0.12
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	9	0.12
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	17	0.12
(1,435)	1:372:A:ASP:H	1:375:A:ARG:H	10	0.12
(1,435)	1:372:A:ASP:H	1:375:A:ARG:H	13	0.12
(1,406)	1:434:A:ILE:H	1:435:A:GLN:HA	6	0.12
(1,406)	1:434:A:ILE:H	1:435:A:GLN:HA	17	0.12
(1,405)	1:433:A:SER:HB3	1:434:A:ILE:H	6	0.12
(1,389)	1:383:A:PHE:H	1:383:A:PHE:HB3	7	0.12
(1,374)	1:416:A:ASP:H	1:417:A:ASN:H	16	0.12
(1,316)	1:395:A:ILE:HB	1:397:A:GLN:H	4	0.12
(1,287)	1:405:A:GLU:HB3	1:407:A:LYS:H	20	0.12
(1,285)	1:406:A:THR:HG21	1:407:A:LYS:H	16	0.12
(1,285)	1:406:A:THR:HG22	1:407:A:LYS:H	16	0.12
(1,285)	1:406:A:THR:HG23	1:407:A:LYS:H	16	0.12
(1,274)	1:446:A:LEU:H	1:448:A:PHE:HB2	16	0.12
(1,263)	1:389:A:ASN:H	1:392:A:LEU:H	18	0.12
(1,263)	1:389:A:ASN:H	1:392:A:LEU:H	19	0.12
(1,240)	1:428:A:ASP:HA	1:430:A:GLU:H	13	0.12
(1,236)	1:412:A:TYR:H	1:413:A:LEU:HG	1	0.12
(1,232)	1:410:A:PHE:HA	1:412:A:TYR:H	3	0.12
(1,228)	1:456:A:LEU:H	1:457:A:GLN:HG3	2	0.12
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	1	0.12
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	7	0.12
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	10	0.12
(1,213)	1:373:A:PRO:HG2	1:375:A:ARG:H	4	0.12
(1,211)	1:375:A:ARG:H	1:376:A:ILE:HG12	10	0.12
(1,211)	1:375:A:ARG:H	1:376:A:ILE:HG12	15	0.12
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	9	0.12
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	13	0.12
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	17	0.12
(1,202)	1:390:A:VAL:HA	1:393:A:ARG:H	11	0.12
(1,198)	1:405:A:GLU:HA	1:408:A:THR:H	14	0.12
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	2	0.12
(1,194)	1:362:A:ASN:H	1:364:A:HIS:H	19	0.12
(1,190)	1:362:A:ASN:HA	1:364:A:HIS:H	4	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:376:A:ILE:HD11	1:402:A:CYS:H	16	0.12
(1,184)	1:376:A:ILE:HD12	1:402:A:CYS:H	16	0.12
(1,184)	1:376:A:ILE:HD13	1:402:A:CYS:H	16	0.12
(1,162)	1:372:A:ASP:H	1:374:A:LYS:H	8	0.12
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	6	0.12
(1,160)	1:372:A:ASP:HA	1:374:A:LYS:H	12	0.12
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	2	0.12
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	2	0.12
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	18	0.12
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	18	0.12
(1,129)	1:430:A:GLU:H	1:431:A:THR:H	7	0.12
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD21	13	0.12
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD22	13	0.12
(1,123)	1:453:A:CYS:H	1:456:A:LEU:HD23	13	0.12
(1,113)	1:424:A:THR:HA	1:433:A:SER:H	12	0.12
(1,77)	1:462:A:LEU:HG	1:463:A:SER:H	13	0.12
(1,52)	1:420:A:GLY:H	1:438:A:PRO:HB3	15	0.12
(1,51)	1:420:A:GLY:H	1:435:A:GLN:HG2	1	0.12
(1,50)	1:420:A:GLY:H	1:438:A:PRO:HA	19	0.12
(1,37)	1:419:A:GLY:H	1:435:A:GLN:HG2	15	0.12
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG2	8	0.12
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG3	8	0.12
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	10	0.12
(1,25)	1:368:A:GLY:H	1:369:A:PRO:HD3	11	0.12
(1,24)	1:367:A:PHE:HB3	1:368:A:GLY:H	9	0.12
(1,13)	1:408:A:THR:H	1:411:A:GLY:H	10	0.12
(1,13)	1:408:A:THR:H	1:411:A:GLY:H	11	0.12
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD11	6	0.11
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD12	6	0.11
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD13	6	0.11
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD21	6	0.11
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD22	6	0.11
(1,3145)	1:461:A:LEU:H	1:462:A:LEU:HD23	6	0.11
(1,3142)	1:460:A:ASN:HB2	1:461:A:LEU:H	16	0.11
(1,3142)	1:460:A:ASN:HB3	1:461:A:LEU:H	16	0.11
(1,3137)	1:459:A:ASP:HB2	1:460:A:ASN:H	5	0.11
(1,3137)	1:459:A:ASP:HB3	1:460:A:ASN:H	5	0.11
(1,3114)	1:453:A:CYS:HB2	1:459:A:ASP:HA	19	0.11
(1,3114)	1:453:A:CYS:HB3	1:459:A:ASP:HA	19	0.11
(1,3097)	1:450:A:GLU:HB2	1:452:A:PHE:H	18	0.11
(1,3097)	1:450:A:GLU:HB3	1:452:A:PHE:H	18	0.11
(1,3090)	1:450:A:GLU:H	1:453:A:CYS:HB2	7	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3090)	1:450:A:GLU:H	1:453:A:CYS:HB3	7	0.11
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB2	16	0.11
(1,3074)	1:448:A:PHE:HA	1:450:A:GLU:HB3	16	0.11
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG2	12	0.11
(1,3064)	1:447:A:ARG:HA	1:450:A:GLU:HG3	12	0.11
(1,3033)	1:439:A:VAL:HG11	1:444:A:PHE:HA	3	0.11
(1,3033)	1:439:A:VAL:HG12	1:444:A:PHE:HA	3	0.11
(1,3033)	1:439:A:VAL:HG13	1:444:A:PHE:HA	3	0.11
(1,3033)	1:439:A:VAL:HG21	1:444:A:PHE:HA	3	0.11
(1,3033)	1:439:A:VAL:HG22	1:444:A:PHE:HA	3	0.11
(1,3033)	1:439:A:VAL:HG23	1:444:A:PHE:HA	3	0.11
(1,3033)	1:439:A:VAL:HG11	1:444:A:PHE:HA	7	0.11
(1,3033)	1:439:A:VAL:HG12	1:444:A:PHE:HA	7	0.11
(1,3033)	1:439:A:VAL:HG13	1:444:A:PHE:HA	7	0.11
(1,3033)	1:439:A:VAL:HG21	1:444:A:PHE:HA	7	0.11
(1,3033)	1:439:A:VAL:HG22	1:444:A:PHE:HA	7	0.11
(1,3033)	1:439:A:VAL:HG23	1:444:A:PHE:HA	7	0.11
(1,3033)	1:439:A:VAL:HG11	1:444:A:PHE:HA	18	0.11
(1,3033)	1:439:A:VAL:HG12	1:444:A:PHE:HA	18	0.11
(1,3033)	1:439:A:VAL:HG13	1:444:A:PHE:HA	18	0.11
(1,3033)	1:439:A:VAL:HG21	1:444:A:PHE:HA	18	0.11
(1,3033)	1:439:A:VAL:HG22	1:444:A:PHE:HA	18	0.11
(1,3033)	1:439:A:VAL:HG23	1:444:A:PHE:HA	18	0.11
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG21	2	0.11
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG22	2	0.11
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG23	2	0.11
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG21	2	0.11
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG22	2	0.11
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG23	2	0.11
(1,2999)	1:430:A:GLU:HB2	1:431:A:THR:HB	9	0.11
(1,2999)	1:430:A:GLU:HB3	1:431:A:THR:HB	9	0.11
(1,2999)	1:430:A:GLU:HB2	1:431:A:THR:HB	17	0.11
(1,2999)	1:430:A:GLU:HB3	1:431:A:THR:HB	17	0.11
(1,2999)	1:430:A:GLU:HB2	1:431:A:THR:HB	19	0.11
(1,2999)	1:430:A:GLU:HB3	1:431:A:THR:HB	19	0.11
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB2	13	0.11
(1,2986)	1:425:A:ALA:HB1	1:426:A:SER:HB3	13	0.11
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB2	13	0.11
(1,2986)	1:425:A:ALA:HB2	1:426:A:SER:HB3	13	0.11
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB2	13	0.11
(1,2986)	1:425:A:ALA:HB3	1:426:A:SER:HB3	13	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG11	4	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG12	4	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG13	4	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG21	4	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG22	4	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG23	4	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG11	5	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG12	5	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG13	5	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG21	5	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG22	5	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG23	5	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG11	18	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG12	18	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG13	18	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG21	18	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG22	18	0.11
(1,2953)	1:421:A:GLU:HA	1:422:A:VAL:HG23	18	0.11
(1,2951)	1:421:A:GLU:H	1:421:A:GLU:HG2	3	0.11
(1,2951)	1:421:A:GLU:H	1:421:A:GLU:HG3	3	0.11
(1,2936)	1:416:A:ASP:HB2	1:435:A:GLN:HA	20	0.11
(1,2936)	1:416:A:ASP:HB3	1:435:A:GLN:HA	20	0.11
(1,2927)	1:414:A:LYS:HD2	1:415:A:PRO:HD2	2	0.11
(1,2927)	1:414:A:LYS:HD3	1:415:A:PRO:HD2	2	0.11
(1,2915)	1:414:A:LYS:H	1:414:A:LYS:HB2	11	0.11
(1,2915)	1:414:A:LYS:H	1:414:A:LYS:HB3	11	0.11
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD11	4	0.11
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD12	4	0.11
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD13	4	0.11
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD21	4	0.11
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD22	4	0.11
(1,2901)	1:412:A:TYR:HB2	1:456:A:LEU:HD23	4	0.11
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD11	4	0.11
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD12	4	0.11
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD13	4	0.11
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD21	4	0.11
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD22	4	0.11
(1,2901)	1:412:A:TYR:HB3	1:456:A:LEU:HD23	4	0.11
(1,2885)	1:409:A:VAL:HG11	1:411:A:GLY:H	18	0.11
(1,2885)	1:409:A:VAL:HG12	1:411:A:GLY:H	18	0.11
(1,2885)	1:409:A:VAL:HG13	1:411:A:GLY:H	18	0.11
(1,2885)	1:409:A:VAL:HG21	1:411:A:GLY:H	18	0.11
(1,2885)	1:409:A:VAL:HG22	1:411:A:GLY:H	18	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2885)	1:409:A:VAL:HG23	1:411:A:GLY:H	18	0.11
(1,2882)	1:409:A:VAL:HG11	1:410:A:PHE:H	8	0.11
(1,2882)	1:409:A:VAL:HG12	1:410:A:PHE:H	8	0.11
(1,2882)	1:409:A:VAL:HG13	1:410:A:PHE:H	8	0.11
(1,2882)	1:409:A:VAL:HG21	1:410:A:PHE:H	8	0.11
(1,2882)	1:409:A:VAL:HG22	1:410:A:PHE:H	8	0.11
(1,2882)	1:409:A:VAL:HG23	1:410:A:PHE:H	8	0.11
(1,2876)	1:408:A:THR:HG21	1:409:A:VAL:HG11	4	0.11
(1,2876)	1:408:A:THR:HG21	1:409:A:VAL:HG12	4	0.11
(1,2876)	1:408:A:THR:HG21	1:409:A:VAL:HG13	4	0.11
(1,2876)	1:408:A:THR:HG21	1:409:A:VAL:HG21	4	0.11
(1,2876)	1:408:A:THR:HG21	1:409:A:VAL:HG22	4	0.11
(1,2876)	1:408:A:THR:HG21	1:409:A:VAL:HG23	4	0.11
(1,2876)	1:408:A:THR:HG22	1:409:A:VAL:HG11	4	0.11
(1,2876)	1:408:A:THR:HG22	1:409:A:VAL:HG12	4	0.11
(1,2876)	1:408:A:THR:HG22	1:409:A:VAL:HG13	4	0.11
(1,2876)	1:408:A:THR:HG22	1:409:A:VAL:HG21	4	0.11
(1,2876)	1:408:A:THR:HG22	1:409:A:VAL:HG22	4	0.11
(1,2876)	1:408:A:THR:HG22	1:409:A:VAL:HG23	4	0.11
(1,2876)	1:408:A:THR:HG23	1:409:A:VAL:HG11	4	0.11
(1,2876)	1:408:A:THR:HG23	1:409:A:VAL:HG12	4	0.11
(1,2876)	1:408:A:THR:HG23	1:409:A:VAL:HG13	4	0.11
(1,2876)	1:408:A:THR:HG23	1:409:A:VAL:HG21	4	0.11
(1,2876)	1:408:A:THR:HG23	1:409:A:VAL:HG22	4	0.11
(1,2876)	1:408:A:THR:HG23	1:409:A:VAL:HG23	4	0.11
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG11	19	0.11
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG12	19	0.11
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG13	19	0.11
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG21	19	0.11
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG22	19	0.11
(1,2873)	1:406:A:THR:HG21	1:409:A:VAL:HG23	19	0.11
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG11	19	0.11
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG12	19	0.11
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG13	19	0.11
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG21	19	0.11
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG22	19	0.11
(1,2873)	1:406:A:THR:HG22	1:409:A:VAL:HG23	19	0.11
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG11	19	0.11
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG12	19	0.11
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG13	19	0.11
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG21	19	0.11
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG22	19	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2873)	1:406:A:THR:HG23	1:409:A:VAL:HG23	19	0.11
(1,2847)	1:400:A:VAL:HG11	1:424:A:THR:HA	10	0.11
(1,2847)	1:400:A:VAL:HG12	1:424:A:THR:HA	10	0.11
(1,2847)	1:400:A:VAL:HG13	1:424:A:THR:HA	10	0.11
(1,2847)	1:400:A:VAL:HG21	1:424:A:THR:HA	10	0.11
(1,2847)	1:400:A:VAL:HG22	1:424:A:THR:HA	10	0.11
(1,2847)	1:400:A:VAL:HG23	1:424:A:THR:HA	10	0.11
(1,2831)	1:400:A:VAL:HG11	1:403:A:ALA:H	10	0.11
(1,2831)	1:400:A:VAL:HG12	1:403:A:ALA:H	10	0.11
(1,2831)	1:400:A:VAL:HG13	1:403:A:ALA:H	10	0.11
(1,2831)	1:400:A:VAL:HG21	1:403:A:ALA:H	10	0.11
(1,2831)	1:400:A:VAL:HG22	1:403:A:ALA:H	10	0.11
(1,2831)	1:400:A:VAL:HG23	1:403:A:ALA:H	10	0.11
(1,2808)	1:398:A:ALA:H	1:399:A:CYS:HB2	13	0.11
(1,2808)	1:398:A:ALA:H	1:399:A:CYS:HB3	13	0.11
(1,2801)	1:396:A:VAL:HG11	1:424:A:THR:H	10	0.11
(1,2801)	1:396:A:VAL:HG12	1:424:A:THR:H	10	0.11
(1,2801)	1:396:A:VAL:HG13	1:424:A:THR:H	10	0.11
(1,2801)	1:396:A:VAL:HG21	1:424:A:THR:H	10	0.11
(1,2801)	1:396:A:VAL:HG22	1:424:A:THR:H	10	0.11
(1,2801)	1:396:A:VAL:HG23	1:424:A:THR:H	10	0.11
(1,2801)	1:396:A:VAL:HG11	1:424:A:THR:H	20	0.11
(1,2801)	1:396:A:VAL:HG12	1:424:A:THR:H	20	0.11
(1,2801)	1:396:A:VAL:HG13	1:424:A:THR:H	20	0.11
(1,2801)	1:396:A:VAL:HG21	1:424:A:THR:H	20	0.11
(1,2801)	1:396:A:VAL:HG22	1:424:A:THR:H	20	0.11
(1,2801)	1:396:A:VAL:HG23	1:424:A:THR:H	20	0.11
(1,2796)	1:396:A:VAL:HG11	1:423:A:ILE:H	10	0.11
(1,2796)	1:396:A:VAL:HG12	1:423:A:ILE:H	10	0.11
(1,2796)	1:396:A:VAL:HG13	1:423:A:ILE:H	10	0.11
(1,2796)	1:396:A:VAL:HG21	1:423:A:ILE:H	10	0.11
(1,2796)	1:396:A:VAL:HG22	1:423:A:ILE:H	10	0.11
(1,2796)	1:396:A:VAL:HG23	1:423:A:ILE:H	10	0.11
(1,2796)	1:396:A:VAL:HG11	1:423:A:ILE:H	13	0.11
(1,2796)	1:396:A:VAL:HG12	1:423:A:ILE:H	13	0.11
(1,2796)	1:396:A:VAL:HG13	1:423:A:ILE:H	13	0.11
(1,2796)	1:396:A:VAL:HG21	1:423:A:ILE:H	13	0.11
(1,2796)	1:396:A:VAL:HG22	1:423:A:ILE:H	13	0.11
(1,2796)	1:396:A:VAL:HG23	1:423:A:ILE:H	13	0.11
(1,2796)	1:396:A:VAL:HG11	1:423:A:ILE:H	16	0.11
(1,2796)	1:396:A:VAL:HG12	1:423:A:ILE:H	16	0.11
(1,2796)	1:396:A:VAL:HG13	1:423:A:ILE:H	16	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2796)	1:396:A:VAL:HG21	1:423:A:ILE:H	16	0.11
(1,2796)	1:396:A:VAL:HG22	1:423:A:ILE:H	16	0.11
(1,2796)	1:396:A:VAL:HG23	1:423:A:ILE:H	16	0.11
(1,2791)	1:396:A:VAL:HG11	1:400:A:VAL:HB	18	0.11
(1,2791)	1:396:A:VAL:HG12	1:400:A:VAL:HB	18	0.11
(1,2791)	1:396:A:VAL:HG13	1:400:A:VAL:HB	18	0.11
(1,2791)	1:396:A:VAL:HG21	1:400:A:VAL:HB	18	0.11
(1,2791)	1:396:A:VAL:HG22	1:400:A:VAL:HB	18	0.11
(1,2791)	1:396:A:VAL:HG23	1:400:A:VAL:HB	18	0.11
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG11	19	0.11
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG12	19	0.11
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG13	19	0.11
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG21	19	0.11
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG22	19	0.11
(1,2778)	1:396:A:VAL:H	1:400:A:VAL:HG23	19	0.11
(1,2762)	1:394:A:ARG:H	1:394:A:ARG:HD2	13	0.11
(1,2762)	1:394:A:ARG:H	1:394:A:ARG:HD3	13	0.11
(1,2731)	1:392:A:LEU:HD11	1:393:A:ARG:HB2	9	0.11
(1,2731)	1:392:A:LEU:HD12	1:393:A:ARG:HB2	9	0.11
(1,2731)	1:392:A:LEU:HD13	1:393:A:ARG:HB2	9	0.11
(1,2731)	1:392:A:LEU:HD21	1:393:A:ARG:HB2	9	0.11
(1,2731)	1:392:A:LEU:HD22	1:393:A:ARG:HB2	9	0.11
(1,2731)	1:392:A:LEU:HD23	1:393:A:ARG:HB2	9	0.11
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD11	12	0.11
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD12	12	0.11
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD13	12	0.11
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD11	12	0.11
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD12	12	0.11
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD13	12	0.11
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD11	12	0.11
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD12	12	0.11
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD13	12	0.11
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD11	12	0.11
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD12	12	0.11
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD13	12	0.11
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD11	12	0.11
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD12	12	0.11
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD13	12	0.11
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD11	12	0.11
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD12	12	0.11
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD13	12	0.11
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD2	12	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2714)	1:390:A:VAL:HG11	1:394:A:ARG:HD3	12	0.11
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD2	12	0.11
(1,2714)	1:390:A:VAL:HG12	1:394:A:ARG:HD3	12	0.11
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD2	12	0.11
(1,2714)	1:390:A:VAL:HG13	1:394:A:ARG:HD3	12	0.11
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD2	12	0.11
(1,2714)	1:390:A:VAL:HG21	1:394:A:ARG:HD3	12	0.11
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD2	12	0.11
(1,2714)	1:390:A:VAL:HG22	1:394:A:ARG:HD3	12	0.11
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD2	12	0.11
(1,2714)	1:390:A:VAL:HG23	1:394:A:ARG:HD3	12	0.11
(1,2708)	1:390:A:VAL:HG11	1:393:A:ARG:H	16	0.11
(1,2708)	1:390:A:VAL:HG12	1:393:A:ARG:H	16	0.11
(1,2708)	1:390:A:VAL:HG13	1:393:A:ARG:H	16	0.11
(1,2708)	1:390:A:VAL:HG21	1:393:A:ARG:H	16	0.11
(1,2708)	1:390:A:VAL:HG22	1:393:A:ARG:H	16	0.11
(1,2708)	1:390:A:VAL:HG23	1:393:A:ARG:H	16	0.11
(1,2641)	1:376:A:ILE:HD11	1:402:A:CYS:HB2	11	0.11
(1,2641)	1:376:A:ILE:HD11	1:402:A:CYS:HB3	11	0.11
(1,2641)	1:376:A:ILE:HD12	1:402:A:CYS:HB2	11	0.11
(1,2641)	1:376:A:ILE:HD12	1:402:A:CYS:HB3	11	0.11
(1,2641)	1:376:A:ILE:HD13	1:402:A:CYS:HB2	11	0.11
(1,2641)	1:376:A:ILE:HD13	1:402:A:CYS:HB3	11	0.11
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD2	14	0.11
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD3	14	0.11
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD2	14	0.11
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD3	14	0.11
(1,2580)	1:368:A:GLY:H	1:458:A:CYS:HB2	3	0.11
(1,2580)	1:368:A:GLY:H	1:458:A:CYS:HB3	3	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD11	4	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD12	4	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD13	4	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD21	4	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD22	4	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD23	4	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD11	19	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD12	19	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD13	19	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD21	19	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD22	19	0.11
(1,2576)	1:367:A:PHE:H	1:461:A:LEU:HD23	19	0.11
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD11	12	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD12	12	0.11
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD13	12	0.11
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD21	12	0.11
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD22	12	0.11
(1,2573)	1:366:A:ASN:HB2	1:461:A:LEU:HD23	12	0.11
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD11	12	0.11
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD12	12	0.11
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD13	12	0.11
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD21	12	0.11
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD22	12	0.11
(1,2573)	1:366:A:ASN:HB3	1:461:A:LEU:HD23	12	0.11
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	6	0.11
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	6	0.11
(1,2546)	1:363:A:LYS:HE2	1:377:A:GLN:H	16	0.11
(1,2546)	1:363:A:LYS:HE3	1:377:A:GLN:H	16	0.11
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD11	3	0.11
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD12	3	0.11
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD13	3	0.11
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD21	3	0.11
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD22	3	0.11
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD23	3	0.11
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD11	6	0.11
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD12	6	0.11
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD13	6	0.11
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD21	6	0.11
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD22	6	0.11
(1,2533)	1:362:A:ASN:HA	1:461:A:LEU:HD23	6	0.11
(1,2517)	1:361:A:VAL:HG11	1:382:A:HIS:H	8	0.11
(1,2517)	1:361:A:VAL:HG12	1:382:A:HIS:H	8	0.11
(1,2517)	1:361:A:VAL:HG13	1:382:A:HIS:H	8	0.11
(1,2517)	1:361:A:VAL:HG21	1:382:A:HIS:H	8	0.11
(1,2517)	1:361:A:VAL:HG22	1:382:A:HIS:H	8	0.11
(1,2517)	1:361:A:VAL:HG23	1:382:A:HIS:H	8	0.11
(1,2509)	1:361:A:VAL:HG11	1:377:A:GLN:HA	13	0.11
(1,2509)	1:361:A:VAL:HG12	1:377:A:GLN:HA	13	0.11
(1,2509)	1:361:A:VAL:HG13	1:377:A:GLN:HA	13	0.11
(1,2509)	1:361:A:VAL:HG21	1:377:A:GLN:HA	13	0.11
(1,2509)	1:361:A:VAL:HG22	1:377:A:GLN:HA	13	0.11
(1,2509)	1:361:A:VAL:HG23	1:377:A:GLN:HA	13	0.11
(1,2507)	1:361:A:VAL:HG11	1:363:A:LYS:HE2	18	0.11
(1,2507)	1:361:A:VAL:HG11	1:363:A:LYS:HE3	18	0.11
(1,2507)	1:361:A:VAL:HG12	1:363:A:LYS:HE2	18	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2507)	1:361:A:VAL:HG12	1:363:A:LYS:HE3	18	0.11
(1,2507)	1:361:A:VAL:HG13	1:363:A:LYS:HE2	18	0.11
(1,2507)	1:361:A:VAL:HG13	1:363:A:LYS:HE3	18	0.11
(1,2507)	1:361:A:VAL:HG21	1:363:A:LYS:HE2	18	0.11
(1,2507)	1:361:A:VAL:HG21	1:363:A:LYS:HE3	18	0.11
(1,2507)	1:361:A:VAL:HG22	1:363:A:LYS:HE2	18	0.11
(1,2507)	1:361:A:VAL:HG22	1:363:A:LYS:HE3	18	0.11
(1,2507)	1:361:A:VAL:HG23	1:363:A:LYS:HE2	18	0.11
(1,2507)	1:361:A:VAL:HG23	1:363:A:LYS:HE3	18	0.11
(1,2506)	1:361:A:VAL:HG11	1:363:A:LYS:HD2	5	0.11
(1,2506)	1:361:A:VAL:HG11	1:363:A:LYS:HD3	5	0.11
(1,2506)	1:361:A:VAL:HG12	1:363:A:LYS:HD2	5	0.11
(1,2506)	1:361:A:VAL:HG12	1:363:A:LYS:HD3	5	0.11
(1,2506)	1:361:A:VAL:HG13	1:363:A:LYS:HD2	5	0.11
(1,2506)	1:361:A:VAL:HG13	1:363:A:LYS:HD3	5	0.11
(1,2506)	1:361:A:VAL:HG21	1:363:A:LYS:HD2	5	0.11
(1,2506)	1:361:A:VAL:HG21	1:363:A:LYS:HD3	5	0.11
(1,2506)	1:361:A:VAL:HG22	1:363:A:LYS:HD2	5	0.11
(1,2506)	1:361:A:VAL:HG22	1:363:A:LYS:HD3	5	0.11
(1,2506)	1:361:A:VAL:HG23	1:363:A:LYS:HD2	5	0.11
(1,2506)	1:361:A:VAL:HG23	1:363:A:LYS:HD3	5	0.11
(1,2465)	1:359:A:VAL:HG11	1:383:A:PHE:HB3	13	0.11
(1,2465)	1:359:A:VAL:HG12	1:383:A:PHE:HB3	13	0.11
(1,2465)	1:359:A:VAL:HG13	1:383:A:PHE:HB3	13	0.11
(1,2465)	1:359:A:VAL:HG21	1:383:A:PHE:HB3	13	0.11
(1,2465)	1:359:A:VAL:HG22	1:383:A:PHE:HB3	13	0.11
(1,2465)	1:359:A:VAL:HG23	1:383:A:PHE:HB3	13	0.11
(1,2460)	1:359:A:VAL:HG11	1:360:A:TYR:H	10	0.11
(1,2460)	1:359:A:VAL:HG12	1:360:A:TYR:H	10	0.11
(1,2460)	1:359:A:VAL:HG13	1:360:A:TYR:H	10	0.11
(1,2460)	1:359:A:VAL:HG21	1:360:A:TYR:H	10	0.11
(1,2460)	1:359:A:VAL:HG22	1:360:A:TYR:H	10	0.11
(1,2460)	1:359:A:VAL:HG23	1:360:A:TYR:H	10	0.11
(1,2456)	1:359:A:VAL:HA	1:463:A:SER:HB2	10	0.11
(1,2456)	1:359:A:VAL:HA	1:463:A:SER:HB3	10	0.11
(1,2424)	1:357:A:VAL:HG11	1:358:A:CYS:H	6	0.11
(1,2424)	1:357:A:VAL:HG12	1:358:A:CYS:H	6	0.11
(1,2424)	1:357:A:VAL:HG13	1:358:A:CYS:H	6	0.11
(1,2424)	1:357:A:VAL:HG21	1:358:A:CYS:H	6	0.11
(1,2424)	1:357:A:VAL:HG22	1:358:A:CYS:H	6	0.11
(1,2424)	1:357:A:VAL:HG23	1:358:A:CYS:H	6	0.11
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG11	5	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG12	5	0.11
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG13	5	0.11
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG21	5	0.11
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG22	5	0.11
(1,2416)	1:356:A:THR:HA	1:357:A:VAL:HG23	5	0.11
(1,2404)	1:354:A:MET:HA	1:440:A:ASN:HB2	1	0.11
(1,2404)	1:354:A:MET:HA	1:440:A:ASN:HB3	1	0.11
(1,2398)	1:373:A:PRO:HA	1:377:A:GLN:HE21	15	0.11
(1,2398)	1:373:A:PRO:HA	1:377:A:GLN:HE22	15	0.11
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	4	0.11
(1,2397)	1:373:A:PRO:HA	1:377:A:GLN:H	12	0.11
(1,2394)	1:362:A:ASN:HB2	1:461:A:LEU:HA	2	0.11
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD11	11	0.11
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD12	11	0.11
(1,2388)	1:376:A:ILE:HG21	1:379:A:LEU:HD13	11	0.11
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD11	11	0.11
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD12	11	0.11
(1,2388)	1:376:A:ILE:HG22	1:379:A:LEU:HD13	11	0.11
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD11	11	0.11
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD12	11	0.11
(1,2388)	1:376:A:ILE:HG23	1:379:A:LEU:HD13	11	0.11
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	7	0.11
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	7	0.11
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	7	0.11
(1,2382)	1:376:A:ILE:HG21	1:377:A:GLN:HA	14	0.11
(1,2382)	1:376:A:ILE:HG22	1:377:A:GLN:HA	14	0.11
(1,2382)	1:376:A:ILE:HG23	1:377:A:GLN:HA	14	0.11
(1,2373)	1:376:A:ILE:HD11	1:399:A:CYS:HB2	19	0.11
(1,2373)	1:376:A:ILE:HD12	1:399:A:CYS:HB2	19	0.11
(1,2373)	1:376:A:ILE:HD13	1:399:A:CYS:HB2	19	0.11
(1,2361)	1:376:A:ILE:HA	1:378:A:GLN:HB2	7	0.11
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	4	0.11
(1,2334)	1:452:A:PHE:HA	1:452:A:PHE:HD2	17	0.11
(1,2288)	1:361:A:VAL:HG11	1:379:A:LEU:HB2	3	0.11
(1,2288)	1:361:A:VAL:HG12	1:379:A:LEU:HB2	3	0.11
(1,2288)	1:361:A:VAL:HG13	1:379:A:LEU:HB2	3	0.11
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB1	1	0.11
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB2	1	0.11
(1,2243)	1:399:A:CYS:HA	1:403:A:ALA:HB3	1	0.11
(1,2235)	1:403:A:ALA:HA	1:404:A:LEU:HA	20	0.11
(1,2233)	1:415:A:PRO:HG2	1:416:A:ASP:H	8	0.11
(1,2227)	1:414:A:LYS:H	1:415:A:PRO:HD3	5	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2227)	1:414:A:LYS:H	1:415:A:PRO:HD2	5	0.11
(1,2227)	1:414:A:LYS:H	1:415:A:PRO:HD3	7	0.11
(1,2227)	1:414:A:LYS:H	1:415:A:PRO:HD2	7	0.11
(1,2227)	1:414:A:LYS:H	1:415:A:PRO:HD3	10	0.11
(1,2227)	1:414:A:LYS:H	1:415:A:PRO:HD2	10	0.11
(1,2227)	1:414:A:LYS:H	1:415:A:PRO:HD3	15	0.11
(1,2227)	1:414:A:LYS:H	1:415:A:PRO:HD2	15	0.11
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	10	0.11
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	19	0.11
(1,2213)	1:451:A:ASN:HA	1:453:A:CYS:H	19	0.11
(1,2174)	1:442:A:ALA:HA	1:446:A:LEU:H	13	0.11
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	1	0.11
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	1	0.11
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	1	0.11
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB1	5	0.11
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB2	5	0.11
(1,2166)	1:357:A:VAL:HA	1:442:A:ALA:HB3	5	0.11
(1,2164)	1:442:A:ALA:HB1	1:446:A:LEU:H	7	0.11
(1,2164)	1:442:A:ALA:HB2	1:446:A:LEU:H	7	0.11
(1,2164)	1:442:A:ALA:HB3	1:446:A:LEU:H	7	0.11
(1,2154)	1:443:A:SER:HA	1:446:A:LEU:H	14	0.11
(1,2149)	1:439:A:VAL:HG11	1:444:A:PHE:HB2	10	0.11
(1,2149)	1:439:A:VAL:HG12	1:444:A:PHE:HB2	10	0.11
(1,2149)	1:439:A:VAL:HG13	1:444:A:PHE:HB2	10	0.11
(1,2144)	1:444:A:PHE:HA	1:444:A:PHE:HD1	3	0.11
(1,2141)	1:444:A:PHE:HA	1:447:A:ARG:HG2	1	0.11
(1,2141)	1:444:A:PHE:HA	1:447:A:ARG:HG3	1	0.11
(1,2127)	1:438:A:PRO:HG2	1:439:A:VAL:H	12	0.11
(1,2127)	1:438:A:PRO:HG3	1:439:A:VAL:H	12	0.11
(1,2112)	1:446:A:LEU:HD21	1:464:A:SER:HA	17	0.11
(1,2112)	1:446:A:LEU:HD22	1:464:A:SER:HA	17	0.11
(1,2112)	1:446:A:LEU:HD23	1:464:A:SER:HA	17	0.11
(1,2079)	1:358:A:CYS:HA	1:385:A:PRO:HB3	20	0.11
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD21	20	0.11
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD22	20	0.11
(1,2068)	1:453:A:CYS:HA	1:456:A:LEU:HD23	20	0.11
(1,2066)	1:357:A:VAL:HG11	1:388:A:VAL:HA	12	0.11
(1,2066)	1:357:A:VAL:HG12	1:388:A:VAL:HA	12	0.11
(1,2066)	1:357:A:VAL:HG13	1:388:A:VAL:HA	12	0.11
(1,2057)	1:387:A:PRO:HG2	1:390:A:VAL:HA	19	0.11
(1,2026)	1:397:A:GLN:HA	1:423:A:ILE:HG13	3	0.11
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD11	20	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD12	20	0.11
(1,1985)	1:361:A:VAL:HB	1:395:A:ILE:HD13	20	0.11
(1,1951)	1:375:A:ARG:HD3	1:402:A:CYS:HB2	19	0.11
(1,1932)	1:371:A:LEU:HD21	1:404:A:LEU:HG	12	0.11
(1,1932)	1:371:A:LEU:HD22	1:404:A:LEU:HG	12	0.11
(1,1932)	1:371:A:LEU:HD23	1:404:A:LEU:HG	12	0.11
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	2	0.11
(1,1901)	1:400:A:VAL:HB	1:402:A:CYS:H	20	0.11
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	11	0.11
(1,1897)	1:400:A:VAL:HA	1:410:A:PHE:H	15	0.11
(1,1885)	1:419:A:GLY:HA3	1:438:A:PRO:HG3	10	0.11
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG3	15	0.11
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG2	15	0.11
(1,1878)	1:465:A:GLN:H	1:466:A:PRO:HD2	8	0.11
(1,1873)	1:448:A:PHE:HA	1:451:A:ASN:H	8	0.11
(1,1867)	1:354:A:MET:HA	1:355:A:SER:HB2	13	0.11
(1,1867)	1:354:A:MET:HA	1:355:A:SER:HB3	13	0.11
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG21	9	0.11
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG22	9	0.11
(1,1855)	1:403:A:ALA:H	1:409:A:VAL:HG23	9	0.11
(1,1851)	1:403:A:ALA:HB1	1:409:A:VAL:HA	16	0.11
(1,1851)	1:403:A:ALA:HB2	1:409:A:VAL:HA	16	0.11
(1,1851)	1:403:A:ALA:HB3	1:409:A:VAL:HA	16	0.11
(1,1833)	1:396:A:VAL:HG21	1:423:A:ILE:HG13	9	0.11
(1,1833)	1:396:A:VAL:HG22	1:423:A:ILE:HG13	9	0.11
(1,1833)	1:396:A:VAL:HG23	1:423:A:ILE:HG13	9	0.11
(1,1818)	1:451:A:ASN:HA	1:454:A:HIS:H	10	0.11
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	2	0.11
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	2	0.11
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	2	0.11
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	6	0.11
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	6	0.11
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	6	0.11
(1,1811)	1:400:A:VAL:HG21	1:402:A:CYS:H	13	0.11
(1,1811)	1:400:A:VAL:HG22	1:402:A:CYS:H	13	0.11
(1,1811)	1:400:A:VAL:HG23	1:402:A:CYS:H	13	0.11
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB1	5	0.11
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB2	5	0.11
(1,1789)	1:406:A:THR:HB	1:425:A:ALA:HB3	5	0.11
(1,1736)	1:460:A:ASN:HA	1:461:A:LEU:HB2	3	0.11
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD2	2	0.11
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD3	2	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD2	6	0.11
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD3	6	0.11
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD2	10	0.11
(1,1713)	1:373:A:PRO:HD3	1:374:A:LYS:HD3	10	0.11
(1,1688)	1:391:A:VAL:HB	1:392:A:LEU:HA	8	0.11
(1,1671)	1:406:A:THR:HG21	1:407:A:LYS:HA	1	0.11
(1,1671)	1:406:A:THR:HG22	1:407:A:LYS:HA	1	0.11
(1,1671)	1:406:A:THR:HG23	1:407:A:LYS:HA	1	0.11
(1,1670)	1:405:A:GLU:HG2	1:407:A:LYS:HA	18	0.11
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	3	0.11
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	3	0.11
(1,1643)	1:359:A:VAL:H	1:383:A:PHE:HA	13	0.11
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	4	0.11
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	5	0.11
(1,1639)	1:382:A:HIS:H	1:383:A:PHE:HA	10	0.11
(1,1636)	1:401:A:ASP:HA	1:402:A:CYS:HA	4	0.11
(1,1628)	1:400:A:VAL:HA	1:401:A:ASP:HA	7	0.11
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB1	9	0.11
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB2	9	0.11
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB3	9	0.11
(1,1594)	1:367:A:PHE:HA	1:371:A:LEU:HB2	20	0.11
(1,1582)	1:380:A:PRO:HG3	1:381:A:ASP:H	9	0.11
(1,1580)	1:379:A:LEU:HD11	1:380:A:PRO:HD2	4	0.11
(1,1580)	1:379:A:LEU:HD12	1:380:A:PRO:HD2	4	0.11
(1,1580)	1:379:A:LEU:HD13	1:380:A:PRO:HD2	4	0.11
(1,1580)	1:379:A:LEU:HD11	1:380:A:PRO:HD2	16	0.11
(1,1580)	1:379:A:LEU:HD12	1:380:A:PRO:HD2	16	0.11
(1,1580)	1:379:A:LEU:HD13	1:380:A:PRO:HD2	16	0.11
(1,1580)	1:379:A:LEU:HD11	1:380:A:PRO:HD2	18	0.11
(1,1580)	1:379:A:LEU:HD12	1:380:A:PRO:HD2	18	0.11
(1,1580)	1:379:A:LEU:HD13	1:380:A:PRO:HD2	18	0.11
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB1	20	0.11
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB2	20	0.11
(1,1578)	1:380:A:PRO:HD3	1:398:A:ALA:HB3	20	0.11
(1,1575)	1:379:A:LEU:H	1:380:A:PRO:HD3	17	0.11
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	11	0.11
(1,1574)	1:374:A:LYS:HB2	1:375:A:ARG:HD2	15	0.11
(1,1547)	1:452:A:PHE:HA	1:453:A:CYS:HA	2	0.11
(1,1547)	1:452:A:PHE:HA	1:453:A:CYS:HA	3	0.11
(1,1547)	1:452:A:PHE:HA	1:453:A:CYS:HA	18	0.11
(1,1545)	1:451:A:ASN:H	1:452:A:PHE:HA	17	0.11
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	7	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG21	10	0.11
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG22	10	0.11
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG23	10	0.11
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG21	14	0.11
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG22	14	0.11
(1,1512)	1:357:A:VAL:HA	1:391:A:VAL:HG23	14	0.11
(1,1491)	1:387:A:PRO:HA	1:388:A:VAL:HB	3	0.11
(1,1491)	1:387:A:PRO:HA	1:388:A:VAL:HB	18	0.11
(1,1481)	1:414:A:LYS:HA	1:415:A:PRO:HB3	8	0.11
(1,1478)	1:436:A:LEU:HB2	1:437:A:PRO:HD3	16	0.11
(1,1463)	1:434:A:ILE:HG21	1:435:A:GLN:HA	14	0.11
(1,1463)	1:434:A:ILE:HG22	1:435:A:GLN:HA	14	0.11
(1,1463)	1:434:A:ILE:HG23	1:435:A:GLN:HA	14	0.11
(1,1463)	1:434:A:ILE:HG21	1:435:A:GLN:HA	20	0.11
(1,1463)	1:434:A:ILE:HG22	1:435:A:GLN:HA	20	0.11
(1,1463)	1:434:A:ILE:HG23	1:435:A:GLN:HA	20	0.11
(1,1458)	1:434:A:ILE:HD11	1:436:A:LEU:HG	14	0.11
(1,1458)	1:434:A:ILE:HD12	1:436:A:LEU:HG	14	0.11
(1,1458)	1:434:A:ILE:HD13	1:436:A:LEU:HG	14	0.11
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	2	0.11
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	2	0.11
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	2	0.11
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	1	0.11
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	1	0.11
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	1	0.11
(1,1430)	1:431:A:THR:HB	1:432:A:HIS:H	7	0.11
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	7	0.11
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	7	0.11
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	7	0.11
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	10	0.11
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	10	0.11
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	10	0.11
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB1	15	0.11
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB2	15	0.11
(1,1392)	1:424:A:THR:HB	1:425:A:ALA:HB3	15	0.11
(1,1384)	1:424:A:THR:HA	1:434:A:ILE:H	1	0.11
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD11	8	0.11
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD12	8	0.11
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD13	8	0.11
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD11	13	0.11
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD12	13	0.11
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD13	13	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD11	15	0.11
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD12	15	0.11
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD13	15	0.11
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD11	16	0.11
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD12	16	0.11
(1,1383)	1:423:A:ILE:H	1:423:A:ILE:HD13	16	0.11
(1,1351)	1:422:A:VAL:H	1:423:A:ILE:HA	11	0.11
(1,1324)	1:465:A:GLN:HG2	1:466:A:PRO:HD3	8	0.11
(1,1324)	1:465:A:GLN:HG3	1:466:A:PRO:HD3	8	0.11
(1,1324)	1:465:A:GLN:HG2	1:466:A:PRO:HD2	8	0.11
(1,1324)	1:465:A:GLN:HG3	1:466:A:PRO:HD2	8	0.11
(1,1300)	1:446:A:LEU:HD11	1:465:A:GLN:H	6	0.11
(1,1300)	1:446:A:LEU:HD12	1:465:A:GLN:H	6	0.11
(1,1300)	1:446:A:LEU:HD13	1:465:A:GLN:H	6	0.11
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	7	0.11
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	7	0.11
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	7	0.11
(1,1287)	1:439:A:VAL:HB	1:444:A:PHE:HD1	16	0.11
(1,1284)	1:375:A:ARG:HA	1:375:A:ARG:HD2	2	0.11
(1,1266)	1:433:A:SER:HA	1:434:A:ILE:HG13	11	0.11
(1,1266)	1:433:A:SER:HA	1:434:A:ILE:HG13	12	0.11
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD21	11	0.11
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD22	11	0.11
(1,1214)	1:366:A:ASN:H	1:461:A:LEU:HD23	11	0.11
(1,1197)	1:460:A:ASN:HA	1:461:A:LEU:HA	13	0.11
(1,1193)	1:363:A:LYS:HG2	1:381:A:ASP:HA	5	0.11
(1,1189)	1:374:A:LYS:H	1:377:A:GLN:HG3	2	0.11
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG3	17	0.11
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG2	17	0.11
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	18	0.11
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	18	0.11
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	17	0.11
(1,1158)	1:369:A:PRO:HA	1:371:A:LEU:HB2	14	0.11
(1,1152)	1:406:A:THR:HA	1:410:A:PHE:HA	1	0.11
(1,1147)	1:410:A:PHE:HA	1:423:A:ILE:HG21	17	0.11
(1,1147)	1:410:A:PHE:HA	1:423:A:ILE:HG22	17	0.11
(1,1147)	1:410:A:PHE:HA	1:423:A:ILE:HG23	17	0.11
(1,1140)	1:466:A:PRO:HG2	1:468:A:SER:H	20	0.11
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB1	7	0.11
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB2	7	0.11
(1,1118)	1:391:A:VAL:H	1:445:A:ALA:HB3	7	0.11
(1,1105)	1:435:A:GLN:HA	1:435:A:GLN:HE21	9	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:426:A:SER:H	1:432:A:HIS:H	13	0.11
(1,1093)	1:418:A:ARG:HB2	1:420:A:GLY:H	11	0.11
(1,1091)	1:416:A:ASP:HB2	1:418:A:ARG:H	8	0.11
(1,1056)	1:393:A:ARG:HB3	1:397:A:GLN:HE21	17	0.11
(1,1056)	1:393:A:ARG:HB3	1:397:A:GLN:HE22	17	0.11
(1,1054)	1:392:A:LEU:H	1:393:A:ARG:HB3	19	0.11
(1,1053)	1:393:A:ARG:HA	1:395:A:ILE:H	17	0.11
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	3	0.11
(1,1050)	1:392:A:LEU:HG	1:394:A:ARG:H	16	0.11
(1,1033)	1:367:A:PHE:H	1:369:A:PRO:HB3	15	0.11
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	17	0.11
(1,1022)	1:361:A:VAL:HG21	1:381:A:ASP:H	17	0.11
(1,1022)	1:361:A:VAL:HG22	1:381:A:ASP:H	17	0.11
(1,1022)	1:361:A:VAL:HG23	1:381:A:ASP:H	17	0.11
(1,1011)	1:451:A:ASN:HD21	1:453:A:CYS:H	3	0.11
(1,1011)	1:451:A:ASN:HD22	1:453:A:CYS:H	3	0.11
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB1	20	0.11
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB2	20	0.11
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB3	20	0.11
(1,965)	1:360:A:TYR:H	1:382:A:HIS:HA	17	0.11
(1,942)	1:416:A:ASP:H	1:418:A:ARG:H	18	0.11
(1,933)	1:392:A:LEU:HA	1:449:A:LEU:H	7	0.11
(1,933)	1:392:A:LEU:HA	1:449:A:LEU:H	17	0.11
(1,924)	1:407:A:LYS:HE3	1:408:A:THR:H	20	0.11
(1,905)	1:405:A:GLU:HA	1:409:A:VAL:H	8	0.11
(1,903)	1:354:A:MET:HB2	1:441:A:SER:H	16	0.11
(1,903)	1:354:A:MET:HB3	1:441:A:SER:H	16	0.11
(1,901)	1:369:A:PRO:HD2	1:457:A:GLN:H	1	0.11
(1,858)	1:387:A:PRO:HB3	1:390:A:VAL:H	2	0.11
(1,853)	1:390:A:VAL:H	1:393:A:ARG:H	13	0.11
(1,851)	1:390:A:VAL:H	1:392:A:LEU:H	1	0.11
(1,844)	1:406:A:THR:HG21	1:409:A:VAL:H	16	0.11
(1,844)	1:406:A:THR:HG22	1:409:A:VAL:H	16	0.11
(1,844)	1:406:A:THR:HG23	1:409:A:VAL:H	16	0.11
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB1	12	0.11
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB2	12	0.11
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB3	12	0.11
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB1	13	0.11
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB2	13	0.11
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB3	13	0.11
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB1	20	0.11
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB2	20	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB3	20	0.11
(1,817)	1:365:A:GLY:H	1:366:A:ASN:HA	14	0.11
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	4	0.11
(1,805)	1:381:A:ASP:HA	1:382:A:HIS:H	6	0.11
(1,804)	1:360:A:TYR:HA	1:382:A:HIS:H	8	0.11
(1,803)	1:382:A:HIS:H	1:383:A:PHE:H	10	0.11
(1,803)	1:382:A:HIS:H	1:383:A:PHE:H	17	0.11
(1,795)	1:378:A:GLN:H	1:379:A:LEU:HG	15	0.11
(1,787)	1:377:A:GLN:H	1:378:A:GLN:HG2	6	0.11
(1,787)	1:377:A:GLN:H	1:378:A:GLN:HG2	16	0.11
(1,780)	1:379:A:LEU:H	1:380:A:PRO:HD2	20	0.11
(1,767)	1:411:A:GLY:HA3	1:413:A:LEU:H	6	0.11
(1,765)	1:411:A:GLY:HA2	1:413:A:LEU:H	15	0.11
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	8	0.11
(1,754)	1:400:A:VAL:HB	1:403:A:ALA:H	13	0.11
(1,754)	1:400:A:VAL:HB	1:403:A:ALA:H	15	0.11
(1,754)	1:400:A:VAL:HB	1:403:A:ALA:H	17	0.11
(1,750)	1:376:A:ILE:HD11	1:403:A:ALA:H	18	0.11
(1,750)	1:376:A:ILE:HD12	1:403:A:ALA:H	18	0.11
(1,750)	1:376:A:ILE:HD13	1:403:A:ALA:H	18	0.11
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD11	12	0.11
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD12	12	0.11
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD13	12	0.11
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD11	18	0.11
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD12	18	0.11
(1,732)	1:360:A:TYR:H	1:395:A:ILE:HD13	18	0.11
(1,713)	1:397:A:GLN:HB3	1:423:A:ILE:H	5	0.11
(1,711)	1:423:A:ILE:H	1:423:A:ILE:HG13	8	0.11
(1,702)	1:424:A:THR:HB	1:432:A:HIS:H	20	0.11
(1,695)	1:359:A:VAL:H	1:386:A:GLY:H	4	0.11
(1,692)	1:359:A:VAL:H	1:385:A:PRO:HA	4	0.11
(1,686)	1:359:A:VAL:H	1:359:A:VAL:HB	1	0.11
(1,686)	1:359:A:VAL:H	1:359:A:VAL:HB	12	0.11
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD11	14	0.11
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD12	14	0.11
(1,685)	1:359:A:VAL:H	1:395:A:ILE:HD13	14	0.11
(1,674)	1:416:A:ASP:H	1:434:A:ILE:HD11	4	0.11
(1,674)	1:416:A:ASP:H	1:434:A:ILE:HD12	4	0.11
(1,674)	1:416:A:ASP:H	1:434:A:ILE:HD13	4	0.11
(1,658)	1:363:A:LYS:H	1:364:A:HIS:HB2	7	0.11
(1,647)	1:406:A:THR:HG21	1:425:A:ALA:H	8	0.11
(1,647)	1:406:A:THR:HG22	1:425:A:ALA:H	8	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:406:A:THR:HG23	1:425:A:ALA:H	8	0.11
(1,639)	1:425:A:ALA:H	1:433:A:SER:HA	19	0.11
(1,637)	1:425:A:ALA:H	1:433:A:SER:H	1	0.11
(1,637)	1:425:A:ALA:H	1:433:A:SER:H	18	0.11
(1,635)	1:360:A:TYR:HB2	1:465:A:GLN:H	9	0.11
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD21	7	0.11
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD22	7	0.11
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD23	7	0.11
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD21	11	0.11
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD22	11	0.11
(1,593)	1:376:A:ILE:H	1:379:A:LEU:HD23	11	0.11
(1,582)	1:438:A:PRO:HB3	1:439:A:VAL:H	6	0.11
(1,582)	1:438:A:PRO:HB2	1:439:A:VAL:H	6	0.11
(1,568)	1:446:A:LEU:HD21	1:447:A:ARG:H	5	0.11
(1,568)	1:446:A:LEU:HD22	1:447:A:ARG:H	5	0.11
(1,568)	1:446:A:LEU:HD23	1:447:A:ARG:H	5	0.11
(1,557)	1:455:A:SER:H	1:456:A:LEU:HG	1	0.11
(1,549)	1:452:A:PHE:H	1:454:A:HIS:H	16	0.11
(1,546)	1:387:A:PRO:HD2	1:391:A:VAL:H	18	0.11
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	2	0.11
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB2	5	0.11
(1,500)	1:418:A:ARG:H	1:435:A:GLN:HB3	5	0.11
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	3	0.11
(1,497)	1:395:A:ILE:HD11	1:398:A:ALA:H	3	0.11
(1,497)	1:395:A:ILE:HD12	1:398:A:ALA:H	3	0.11
(1,497)	1:395:A:ILE:HD13	1:398:A:ALA:H	3	0.11
(1,497)	1:395:A:ILE:HD11	1:398:A:ALA:H	11	0.11
(1,497)	1:395:A:ILE:HD12	1:398:A:ALA:H	11	0.11
(1,497)	1:395:A:ILE:HD13	1:398:A:ALA:H	11	0.11
(1,488)	1:396:A:VAL:H	1:398:A:ALA:H	7	0.11
(1,482)	1:361:A:VAL:H	1:382:A:HIS:H	8	0.11
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	2	0.11
(1,457)	1:395:A:ILE:HG12	1:396:A:VAL:H	3	0.11
(1,451)	1:447:A:ARG:HG2	1:448:A:PHE:H	1	0.11
(1,451)	1:447:A:ARG:HG3	1:448:A:PHE:H	1	0.11
(1,438)	1:372:A:ASP:H	1:373:A:PRO:HD3	19	0.11
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	1	0.11
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	3	0.11
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	12	0.11
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	20	0.11
(1,407)	1:423:A:ILE:HA	1:434:A:ILE:H	11	0.11
(1,406)	1:434:A:ILE:H	1:435:A:GLN:HA	16	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:422:A:VAL:HB	1:434:A:ILE:H	19	0.11
(1,400)	1:424:A:THR:HG21	1:434:A:ILE:H	14	0.11
(1,400)	1:424:A:THR:HG22	1:434:A:ILE:H	14	0.11
(1,400)	1:424:A:THR:HG23	1:434:A:ILE:H	14	0.11
(1,381)	1:417:A:ASN:H	1:418:A:ARG:HG3	5	0.11
(1,369)	1:463:A:SER:HB3	1:464:A:SER:H	14	0.11
(1,362)	1:415:A:PRO:HD3	1:435:A:GLN:H	10	0.11
(1,356)	1:434:A:ILE:HG21	1:435:A:GLN:H	20	0.11
(1,356)	1:434:A:ILE:HG22	1:435:A:GLN:H	20	0.11
(1,356)	1:434:A:ILE:HG23	1:435:A:GLN:H	20	0.11
(1,355)	1:434:A:ILE:HD11	1:435:A:GLN:H	5	0.11
(1,355)	1:434:A:ILE:HD12	1:435:A:GLN:H	5	0.11
(1,355)	1:434:A:ILE:HD13	1:435:A:GLN:H	5	0.11
(1,355)	1:434:A:ILE:HD11	1:435:A:GLN:H	15	0.11
(1,355)	1:434:A:ILE:HD12	1:435:A:GLN:H	15	0.11
(1,355)	1:434:A:ILE:HD13	1:435:A:GLN:H	15	0.11
(1,345)	1:393:A:ARG:HG3	1:422:A:VAL:H	20	0.11
(1,338)	1:422:A:VAL:H	1:436:A:LEU:H	12	0.11
(1,316)	1:395:A:ILE:HB	1:397:A:GLN:H	1	0.11
(1,312)	1:423:A:ILE:HD11	1:424:A:THR:H	19	0.11
(1,312)	1:423:A:ILE:HD12	1:424:A:THR:H	19	0.11
(1,312)	1:423:A:ILE:HD13	1:424:A:THR:H	19	0.11
(1,310)	1:423:A:ILE:HB	1:424:A:THR:H	12	0.11
(1,310)	1:423:A:ILE:HB	1:424:A:THR:H	20	0.11
(1,297)	1:460:A:ASN:H	1:462:A:LEU:H	18	0.11
(1,263)	1:389:A:ASN:H	1:392:A:LEU:H	7	0.11
(1,261)	1:388:A:VAL:HA	1:392:A:LEU:H	19	0.11
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	3	0.11
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	3	0.11
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	3	0.11
(1,232)	1:410:A:PHE:HA	1:412:A:TYR:H	8	0.11
(1,220)	1:375:A:ARG:H	1:377:A:GLN:H	14	0.11
(1,213)	1:373:A:PRO:HG2	1:375:A:ARG:H	17	0.11
(1,211)	1:375:A:ARG:H	1:376:A:ILE:HG12	14	0.11
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	1	0.11
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	3	0.11
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	6	0.11
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	10	0.11
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	11	0.11
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	12	0.11
(1,202)	1:390:A:VAL:HA	1:393:A:ARG:H	5	0.11
(1,200)	1:406:A:THR:HB	1:408:A:THR:H	2	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:406:A:THR:HB	1:408:A:THR:H	14	0.11
(1,181)	1:371:A:LEU:HA	1:402:A:CYS:H	17	0.11
(1,176)	1:365:A:GLY:H	1:366:A:ASN:H	12	0.11
(1,164)	1:397:A:GLN:H	1:399:A:CYS:H	8	0.11
(1,163)	1:399:A:CYS:H	1:401:A:ASP:H	2	0.11
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	10	0.11
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	10	0.11
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD11	2	0.11
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD12	2	0.11
(1,141)	1:394:A:ARG:H	1:395:A:ILE:HD13	2	0.11
(1,129)	1:430:A:GLU:H	1:431:A:THR:H	1	0.11
(1,129)	1:430:A:GLU:H	1:431:A:THR:H	3	0.11
(1,126)	1:431:A:THR:H	1:431:A:THR:HB	16	0.11
(1,108)	1:424:A:THR:HG21	1:433:A:SER:H	18	0.11
(1,108)	1:424:A:THR:HG22	1:433:A:SER:H	18	0.11
(1,108)	1:424:A:THR:HG23	1:433:A:SER:H	18	0.11
(1,69)	1:463:A:SER:H	1:465:A:GLN:H	20	0.11
(1,67)	1:386:A:GLY:H	1:391:A:VAL:HB	10	0.11
(1,67)	1:386:A:GLY:H	1:391:A:VAL:HB	17	0.11
(1,65)	1:384:A:GLY:HA3	1:386:A:GLY:H	3	0.11
(1,64)	1:386:A:GLY:H	1:387:A:PRO:HD2	1	0.11
(1,60)	1:384:A:GLY:H	1:386:A:GLY:H	13	0.11
(1,49)	1:420:A:GLY:H	1:436:A:LEU:HA	3	0.11
(1,49)	1:420:A:GLY:H	1:436:A:LEU:HA	12	0.11
(1,13)	1:408:A:THR:H	1:411:A:GLY:H	20	0.11
(1,3162)	1:463:A:SER:H	1:464:A:SER:HB2	2	0.1
(1,3162)	1:463:A:SER:H	1:464:A:SER:HB3	2	0.1
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG21	9	0.1
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG22	9	0.1
(1,3009)	1:433:A:SER:HB2	1:434:A:ILE:HG23	9	0.1
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG21	9	0.1
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG22	9	0.1
(1,3009)	1:433:A:SER:HB3	1:434:A:ILE:HG23	9	0.1
(1,2999)	1:430:A:GLU:HB2	1:431:A:THR:HB	7	0.1
(1,2999)	1:430:A:GLU:HB3	1:431:A:THR:HB	7	0.1
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD11	12	0.1
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD12	12	0.1
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD13	12	0.1
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD21	12	0.1
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD22	12	0.1
(1,2954)	1:421:A:GLU:HA	1:436:A:LEU:HD23	12	0.1
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD11	8	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD12	8	0.1
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD13	8	0.1
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD21	8	0.1
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD22	8	0.1
(1,2952)	1:421:A:GLU:H	1:436:A:LEU:HD23	8	0.1
(1,2935)	1:416:A:ASP:HB2	1:435:A:GLN:H	19	0.1
(1,2935)	1:416:A:ASP:HB3	1:435:A:GLN:H	19	0.1
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD11	18	0.1
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD12	18	0.1
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD13	18	0.1
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD21	18	0.1
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD22	18	0.1
(1,2896)	1:412:A:TYR:H	1:413:A:LEU:HD23	18	0.1
(1,2883)	1:409:A:VAL:HG11	1:410:A:PHE:HA	19	0.1
(1,2883)	1:409:A:VAL:HG12	1:410:A:PHE:HA	19	0.1
(1,2883)	1:409:A:VAL:HG13	1:410:A:PHE:HA	19	0.1
(1,2883)	1:409:A:VAL:HG21	1:410:A:PHE:HA	19	0.1
(1,2883)	1:409:A:VAL:HG22	1:410:A:PHE:HA	19	0.1
(1,2883)	1:409:A:VAL:HG23	1:410:A:PHE:HA	19	0.1
(1,2731)	1:392:A:LEU:HD11	1:393:A:ARG:HB2	7	0.1
(1,2731)	1:392:A:LEU:HD12	1:393:A:ARG:HB2	7	0.1
(1,2731)	1:392:A:LEU:HD13	1:393:A:ARG:HB2	7	0.1
(1,2731)	1:392:A:LEU:HD21	1:393:A:ARG:HB2	7	0.1
(1,2731)	1:392:A:LEU:HD22	1:393:A:ARG:HB2	7	0.1
(1,2731)	1:392:A:LEU:HD23	1:393:A:ARG:HB2	7	0.1
(1,2731)	1:392:A:LEU:HD11	1:393:A:ARG:HB2	17	0.1
(1,2731)	1:392:A:LEU:HD12	1:393:A:ARG:HB2	17	0.1
(1,2731)	1:392:A:LEU:HD13	1:393:A:ARG:HB2	17	0.1
(1,2731)	1:392:A:LEU:HD21	1:393:A:ARG:HB2	17	0.1
(1,2731)	1:392:A:LEU:HD22	1:393:A:ARG:HB2	17	0.1
(1,2731)	1:392:A:LEU:HD23	1:393:A:ARG:HB2	17	0.1
(1,2724)	1:392:A:LEU:HA	1:392:A:LEU:HD11	1	0.1
(1,2724)	1:392:A:LEU:HA	1:392:A:LEU:HD12	1	0.1
(1,2724)	1:392:A:LEU:HA	1:392:A:LEU:HD13	1	0.1
(1,2724)	1:392:A:LEU:HA	1:392:A:LEU:HD21	1	0.1
(1,2724)	1:392:A:LEU:HA	1:392:A:LEU:HD22	1	0.1
(1,2724)	1:392:A:LEU:HA	1:392:A:LEU:HD23	1	0.1
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD11	8	0.1
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD12	8	0.1
(1,2721)	1:391:A:VAL:HG11	1:395:A:ILE:HD13	8	0.1
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD11	8	0.1
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD12	8	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:391:A:VAL:HG12	1:395:A:ILE:HD13	8	0.1
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD11	8	0.1
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD12	8	0.1
(1,2721)	1:391:A:VAL:HG13	1:395:A:ILE:HD13	8	0.1
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD11	8	0.1
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD12	8	0.1
(1,2721)	1:391:A:VAL:HG21	1:395:A:ILE:HD13	8	0.1
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD11	8	0.1
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD12	8	0.1
(1,2721)	1:391:A:VAL:HG22	1:395:A:ILE:HD13	8	0.1
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD11	8	0.1
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD12	8	0.1
(1,2721)	1:391:A:VAL:HG23	1:395:A:ILE:HD13	8	0.1
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG11	14	0.1
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG12	14	0.1
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG13	14	0.1
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG21	14	0.1
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG22	14	0.1
(1,2648)	1:385:A:PRO:HB2	1:391:A:VAL:HG23	14	0.1
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD2	10	0.1
(1,2620)	1:372:A:ASP:HB2	1:374:A:LYS:HD3	10	0.1
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD2	10	0.1
(1,2620)	1:372:A:ASP:HB3	1:374:A:LYS:HD3	10	0.1
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD11	15	0.1
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD12	15	0.1
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD13	15	0.1
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD21	15	0.1
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD22	15	0.1
(1,2598)	1:371:A:LEU:H	1:404:A:LEU:HD23	15	0.1
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG11	16	0.1
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG12	16	0.1
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG13	16	0.1
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG21	16	0.1
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG22	16	0.1
(1,2593)	1:370:A:HIS:HB2	1:409:A:VAL:HG23	16	0.1
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG11	16	0.1
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG12	16	0.1
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG13	16	0.1
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG21	16	0.1
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG22	16	0.1
(1,2593)	1:370:A:HIS:HB3	1:409:A:VAL:HG23	16	0.1
(1,2572)	1:366:A:ASN:HB2	1:461:A:LEU:H	14	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2572)	1:366:A:ASN:HB3	1:461:A:LEU:H	14	0.1
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD11	17	0.1
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD12	17	0.1
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD13	17	0.1
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD21	17	0.1
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD22	17	0.1
(1,2562)	1:365:A:GLY:HA3	1:461:A:LEU:HD23	17	0.1
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	14	0.1
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	14	0.1
(1,2552)	1:363:A:LYS:HE2	1:379:A:LEU:HB2	16	0.1
(1,2552)	1:363:A:LYS:HE3	1:379:A:LEU:HB2	16	0.1
(1,2546)	1:363:A:LYS:HE2	1:377:A:GLN:H	7	0.1
(1,2546)	1:363:A:LYS:HE3	1:377:A:GLN:H	7	0.1
(1,2546)	1:363:A:LYS:HE2	1:377:A:GLN:H	17	0.1
(1,2546)	1:363:A:LYS:HE3	1:377:A:GLN:H	17	0.1
(1,2517)	1:361:A:VAL:HG11	1:382:A:HIS:H	5	0.1
(1,2517)	1:361:A:VAL:HG12	1:382:A:HIS:H	5	0.1
(1,2517)	1:361:A:VAL:HG13	1:382:A:HIS:H	5	0.1
(1,2517)	1:361:A:VAL:HG21	1:382:A:HIS:H	5	0.1
(1,2517)	1:361:A:VAL:HG22	1:382:A:HIS:H	5	0.1
(1,2517)	1:361:A:VAL:HG23	1:382:A:HIS:H	5	0.1
(1,2461)	1:359:A:VAL:HG11	1:360:A:TYR:HA	11	0.1
(1,2461)	1:359:A:VAL:HG12	1:360:A:TYR:HA	11	0.1
(1,2461)	1:359:A:VAL:HG13	1:360:A:TYR:HA	11	0.1
(1,2461)	1:359:A:VAL:HG21	1:360:A:TYR:HA	11	0.1
(1,2461)	1:359:A:VAL:HG22	1:360:A:TYR:HA	11	0.1
(1,2461)	1:359:A:VAL:HG23	1:360:A:TYR:HA	11	0.1
(1,2460)	1:359:A:VAL:HG11	1:360:A:TYR:H	4	0.1
(1,2460)	1:359:A:VAL:HG12	1:360:A:TYR:H	4	0.1
(1,2460)	1:359:A:VAL:HG13	1:360:A:TYR:H	4	0.1
(1,2460)	1:359:A:VAL:HG21	1:360:A:TYR:H	4	0.1
(1,2460)	1:359:A:VAL:HG22	1:360:A:TYR:H	4	0.1
(1,2460)	1:359:A:VAL:HG23	1:360:A:TYR:H	4	0.1
(1,2351)	1:377:A:GLN:HA	1:378:A:GLN:HG2	10	0.1
(1,2333)	1:372:A:ASP:H	1:402:A:CYS:HA	8	0.1
(1,2260)	1:461:A:LEU:HB3	1:462:A:LEU:HA	1	0.1
(1,2236)	1:400:A:VAL:HA	1:403:A:ALA:HA	10	0.1
(1,2229)	1:415:A:PRO:HG3	1:434:A:ILE:HD11	17	0.1
(1,2229)	1:415:A:PRO:HG3	1:434:A:ILE:HD12	17	0.1
(1,2229)	1:415:A:PRO:HG3	1:434:A:ILE:HD13	17	0.1
(1,2229)	1:415:A:PRO:HG2	1:434:A:ILE:HD11	17	0.1
(1,2229)	1:415:A:PRO:HG2	1:434:A:ILE:HD12	17	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:415:A:PRO:HG2	1:434:A:ILE:HD13	17	0.1
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	9	0.1
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	9	0.1
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	9	0.1
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD11	15	0.1
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD12	15	0.1
(1,2226)	1:415:A:PRO:HB2	1:434:A:ILE:HD13	15	0.1
(1,2219)	1:450:A:GLU:H	1:451:A:ASN:HB2	2	0.1
(1,2219)	1:450:A:GLU:H	1:451:A:ASN:HB3	2	0.1
(1,2217)	1:448:A:PHE:HB2	1:449:A:LEU:HA	8	0.1
(1,2216)	1:448:A:PHE:HA	1:451:A:ASN:HB2	12	0.1
(1,2216)	1:448:A:PHE:HA	1:451:A:ASN:HB3	12	0.1
(1,2208)	1:362:A:ASN:HA	1:363:A:LYS:HB3	4	0.1
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG21	13	0.1
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG22	13	0.1
(1,2200)	1:405:A:GLU:HB2	1:408:A:THR:HG23	13	0.1
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG21	13	0.1
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG22	13	0.1
(1,2200)	1:405:A:GLU:HB3	1:408:A:THR:HG23	13	0.1
(1,2199)	1:405:A:GLU:HA	1:407:A:LYS:HB3	15	0.1
(1,2127)	1:438:A:PRO:HG2	1:439:A:VAL:H	11	0.1
(1,2127)	1:438:A:PRO:HG3	1:439:A:VAL:H	11	0.1
(1,2082)	1:453:A:CYS:H	1:454:A:HIS:HA	14	0.1
(1,2073)	1:452:A:PHE:H	1:453:A:CYS:HA	10	0.1
(1,2034)	1:450:A:GLU:HA	1:452:A:PHE:H	20	0.1
(1,2030)	1:396:A:VAL:H	1:397:A:GLN:HG3	13	0.1
(1,2030)	1:396:A:VAL:H	1:397:A:GLN:HG2	13	0.1
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD21	9	0.1
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD22	9	0.1
(1,2000)	1:395:A:ILE:HG21	1:462:A:LEU:HD23	9	0.1
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD21	9	0.1
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD22	9	0.1
(1,2000)	1:395:A:ILE:HG22	1:462:A:LEU:HD23	9	0.1
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD21	9	0.1
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD22	9	0.1
(1,2000)	1:395:A:ILE:HG23	1:462:A:LEU:HD23	9	0.1
(1,1963)	1:395:A:ILE:HB	1:452:A:PHE:HD2	11	0.1
(1,1959)	1:447:A:ARG:HG2	1:450:A:GLU:H	17	0.1
(1,1959)	1:447:A:ARG:HG3	1:450:A:GLU:H	17	0.1
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD2	11	0.1
(1,1949)	1:444:A:PHE:H	1:447:A:ARG:HD3	11	0.1
(1,1927)	1:371:A:LEU:HD21	1:402:A:CYS:H	2	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1927)	1:371:A:LEU:HD22	1:402:A:CYS:H	2	0.1
(1,1927)	1:371:A:LEU:HD23	1:402:A:CYS:H	2	0.1
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE21	7	0.1
(1,1890)	1:367:A:PHE:HA	1:377:A:GLN:HE22	7	0.1
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	1	0.1
(1,1884)	1:419:A:GLY:HA3	1:438:A:PRO:HB3	3	0.1
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG3	7	0.1
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG2	7	0.1
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG3	11	0.1
(1,1879)	1:465:A:GLN:HA	1:466:A:PRO:HG2	11	0.1
(1,1824)	1:396:A:VAL:HA	1:399:A:CYS:H	10	0.1
(1,1795)	1:406:A:THR:HG21	1:427:A:PHE:H	2	0.1
(1,1795)	1:406:A:THR:HG22	1:427:A:PHE:H	2	0.1
(1,1795)	1:406:A:THR:HG23	1:427:A:PHE:H	2	0.1
(1,1785)	1:356:A:THR:HB	1:385:A:PRO:HB2	17	0.1
(1,1785)	1:356:A:THR:HB	1:385:A:PRO:HB3	17	0.1
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB1	14	0.1
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB2	14	0.1
(1,1782)	1:392:A:LEU:HB2	1:445:A:ALA:HB3	14	0.1
(1,1727)	1:360:A:TYR:HE1	1:466:A:PRO:HA	15	0.1
(1,1688)	1:391:A:VAL:HB	1:392:A:LEU:HA	16	0.1
(1,1688)	1:391:A:VAL:HB	1:392:A:LEU:HA	19	0.1
(1,1688)	1:391:A:VAL:HB	1:392:A:LEU:HA	20	0.1
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE21	17	0.1
(1,1645)	1:363:A:LYS:HA	1:377:A:GLN:HE22	17	0.1
(1,1636)	1:401:A:ASP:HA	1:402:A:CYS:HA	15	0.1
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB1	5	0.1
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB2	5	0.1
(1,1615)	1:396:A:VAL:HA	1:398:A:ALA:HB3	5	0.1
(1,1594)	1:367:A:PHE:HA	1:371:A:LEU:HB2	13	0.1
(1,1581)	1:380:A:PRO:HG3	1:382:A:HIS:H	6	0.1
(1,1580)	1:379:A:LEU:HD11	1:380:A:PRO:HD2	9	0.1
(1,1580)	1:379:A:LEU:HD12	1:380:A:PRO:HD2	9	0.1
(1,1580)	1:379:A:LEU:HD13	1:380:A:PRO:HD2	9	0.1
(1,1547)	1:452:A:PHE:HA	1:453:A:CYS:HA	1	0.1
(1,1547)	1:452:A:PHE:HA	1:453:A:CYS:HA	17	0.1
(1,1543)	1:419:A:GLY:HA3	1:438:A:PRO:HD3	3	0.1
(1,1506)	1:388:A:VAL:HA	1:390:A:VAL:H	12	0.1
(1,1481)	1:414:A:LYS:HA	1:415:A:PRO:HB3	19	0.1
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD11	7	0.1
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD12	7	0.1
(1,1453)	1:415:A:PRO:HB3	1:434:A:ILE:HD13	7	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG11	4	0.1
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG12	4	0.1
(1,1434)	1:406:A:THR:HA	1:409:A:VAL:HG13	4	0.1
(1,1424)	1:430:A:GLU:HG2	1:431:A:THR:H	17	0.1
(1,1424)	1:430:A:GLU:HG3	1:431:A:THR:H	17	0.1
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB1	6	0.1
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB2	6	0.1
(1,1401)	1:410:A:PHE:HB3	1:425:A:ALA:HB3	6	0.1
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	5	0.1
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	5	0.1
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	5	0.1
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG21	13	0.1
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG22	13	0.1
(1,1391)	1:424:A:THR:HA	1:434:A:ILE:HG23	13	0.1
(1,1339)	1:422:A:VAL:HA	1:423:A:ILE:HA	2	0.1
(1,1336)	1:422:A:VAL:HA	1:436:A:LEU:HB2	18	0.1
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB1	6	0.1
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB2	6	0.1
(1,1290)	1:439:A:VAL:HB	1:445:A:ALA:HB3	6	0.1
(1,1267)	1:423:A:ILE:HB	1:433:A:SER:HA	11	0.1
(1,1187)	1:377:A:GLN:HG2	1:378:A:GLN:H	20	0.1
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG3	12	0.1
(1,1183)	1:363:A:LYS:HB3	1:377:A:GLN:HG2	12	0.1
(1,1167)	1:369:A:PRO:HD2	1:458:A:CYS:HA	9	0.1
(1,1167)	1:369:A:PRO:HD3	1:458:A:CYS:HA	9	0.1
(1,1163)	1:368:A:GLY:HA2	1:369:A:PRO:HG2	1	0.1
(1,1163)	1:368:A:GLY:HA3	1:369:A:PRO:HG2	1	0.1
(1,1159)	1:367:A:PHE:HB3	1:369:A:PRO:HA	15	0.1
(1,1148)	1:406:A:THR:HG21	1:410:A:PHE:HA	9	0.1
(1,1148)	1:406:A:THR:HG22	1:410:A:PHE:HA	9	0.1
(1,1148)	1:406:A:THR:HG23	1:410:A:PHE:HA	9	0.1
(1,1135)	1:462:A:LEU:HD11	1:463:A:SER:H	10	0.1
(1,1135)	1:462:A:LEU:HD12	1:463:A:SER:H	10	0.1
(1,1135)	1:462:A:LEU:HD13	1:463:A:SER:H	10	0.1
(1,1130)	1:366:A:ASN:HD21	1:458:A:CYS:HA	11	0.1
(1,1130)	1:366:A:ASN:HD22	1:458:A:CYS:HA	11	0.1
(1,1112)	1:441:A:SER:H	1:442:A:ALA:HA	9	0.1
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	10	0.1
(1,1102)	1:425:A:ALA:H	1:432:A:HIS:HA	14	0.1
(1,1078)	1:405:A:GLU:HG3	1:409:A:VAL:H	10	0.1
(1,1065)	1:392:A:LEU:H	1:394:A:ARG:H	3	0.1
(1,1033)	1:367:A:PHE:H	1:369:A:PRO:HB3	18	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:363:A:LYS:HB2	1:365:A:GLY:H	14	0.1
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB1	4	0.1
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB2	4	0.1
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB3	4	0.1
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB1	5	0.1
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB2	5	0.1
(1,998)	1:441:A:SER:H	1:442:A:ALA:HB3	5	0.1
(1,991)	1:362:A:ASN:HD21	1:364:A:HIS:H	8	0.1
(1,991)	1:362:A:ASN:HD22	1:364:A:HIS:H	8	0.1
(1,955)	1:354:A:MET:HB2	1:439:A:VAL:H	15	0.1
(1,955)	1:354:A:MET:HB3	1:439:A:VAL:H	15	0.1
(1,915)	1:363:A:LYS:HB2	1:364:A:HIS:H	10	0.1
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG21	11	0.1
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG22	11	0.1
(1,907)	1:423:A:ILE:H	1:434:A:ILE:HG23	11	0.1
(1,902)	1:451:A:ASN:HD21	1:452:A:PHE:HB2	15	0.1
(1,902)	1:451:A:ASN:HD22	1:452:A:PHE:HB2	15	0.1
(1,873)	1:367:A:PHE:HB2	1:371:A:LEU:H	9	0.1
(1,863)	1:387:A:PRO:HG2	1:390:A:VAL:H	4	0.1
(1,853)	1:390:A:VAL:H	1:393:A:ARG:H	7	0.1
(1,846)	1:405:A:GLU:HG2	1:409:A:VAL:H	2	0.1
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB1	4	0.1
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB2	4	0.1
(1,842)	1:441:A:SER:H	1:445:A:ALA:HB3	4	0.1
(1,813)	1:364:A:HIS:HB3	1:365:A:GLY:H	4	0.1
(1,803)	1:382:A:HIS:H	1:383:A:PHE:H	16	0.1
(1,789)	1:376:A:ILE:HB	1:377:A:GLN:H	10	0.1
(1,778)	1:378:A:GLN:HB3	1:379:A:LEU:H	4	0.1
(1,766)	1:413:A:LEU:H	1:414:A:LYS:HA	16	0.1
(1,766)	1:413:A:LEU:H	1:414:A:LYS:HA	18	0.1
(1,764)	1:413:A:LEU:H	1:414:A:LYS:H	3	0.1
(1,725)	1:360:A:TYR:HB3	1:362:A:ASN:H	14	0.1
(1,716)	1:423:A:ILE:H	1:435:A:GLN:H	20	0.1
(1,711)	1:423:A:ILE:H	1:423:A:ILE:HG13	18	0.1
(1,695)	1:359:A:VAL:H	1:386:A:GLY:H	20	0.1
(1,674)	1:416:A:ASP:H	1:434:A:ILE:HD11	13	0.1
(1,674)	1:416:A:ASP:H	1:434:A:ILE:HD12	13	0.1
(1,674)	1:416:A:ASP:H	1:434:A:ILE:HD13	13	0.1
(1,629)	1:360:A:TYR:H	1:465:A:GLN:H	15	0.1
(1,610)	1:441:A:SER:H	1:445:A:ALA:H	1	0.1
(1,601)	1:439:A:VAL:HG11	1:445:A:ALA:H	18	0.1
(1,601)	1:439:A:VAL:HG12	1:445:A:ALA:H	18	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:439:A:VAL:HG13	1:445:A:ALA:H	18	0.1
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	2	0.1
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	5	0.1
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	6	0.1
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	12	0.1
(1,584)	1:438:A:PRO:HD3	1:439:A:VAL:H	13	0.1
(1,582)	1:438:A:PRO:HB3	1:439:A:VAL:H	16	0.1
(1,582)	1:438:A:PRO:HB2	1:439:A:VAL:H	16	0.1
(1,566)	1:395:A:ILE:H	1:395:A:ILE:HD11	13	0.1
(1,566)	1:395:A:ILE:H	1:395:A:ILE:HD12	13	0.1
(1,566)	1:395:A:ILE:H	1:395:A:ILE:HD13	13	0.1
(1,561)	1:455:A:SER:H	1:457:A:GLN:H	20	0.1
(1,557)	1:455:A:SER:H	1:456:A:LEU:HG	12	0.1
(1,555)	1:453:A:CYS:HB2	1:454:A:HIS:H	6	0.1
(1,555)	1:453:A:CYS:HB3	1:454:A:HIS:H	6	0.1
(1,535)	1:427:A:PHE:H	1:430:A:GLU:HA	9	0.1
(1,514)	1:451:A:ASN:H	1:453:A:CYS:H	15	0.1
(1,505)	1:417:A:ASN:HA	1:418:A:ARG:H	8	0.1
(1,498)	1:395:A:ILE:HB	1:398:A:ALA:H	2	0.1
(1,497)	1:395:A:ILE:HD11	1:398:A:ALA:H	9	0.1
(1,497)	1:395:A:ILE:HD12	1:398:A:ALA:H	9	0.1
(1,497)	1:395:A:ILE:HD13	1:398:A:ALA:H	9	0.1
(1,492)	1:397:A:GLN:HB3	1:398:A:ALA:H	5	0.1
(1,479)	1:361:A:VAL:H	1:381:A:ASP:HA	11	0.1
(1,454)	1:392:A:LEU:HD11	1:448:A:PHE:H	3	0.1
(1,454)	1:392:A:LEU:HD12	1:448:A:PHE:H	3	0.1
(1,454)	1:392:A:LEU:HD13	1:448:A:PHE:H	3	0.1
(1,444)	1:371:A:LEU:HD21	1:372:A:ASP:H	9	0.1
(1,444)	1:371:A:LEU:HD22	1:372:A:ASP:H	9	0.1
(1,444)	1:371:A:LEU:HD23	1:372:A:ASP:H	9	0.1
(1,444)	1:371:A:LEU:HD21	1:372:A:ASP:H	18	0.1
(1,444)	1:371:A:LEU:HD22	1:372:A:ASP:H	18	0.1
(1,444)	1:371:A:LEU:HD23	1:372:A:ASP:H	18	0.1
(1,436)	1:371:A:LEU:H	1:372:A:ASP:H	13	0.1
(1,407)	1:423:A:ILE:HA	1:434:A:ILE:H	8	0.1
(1,400)	1:424:A:THR:HG21	1:434:A:ILE:H	20	0.1
(1,400)	1:424:A:THR:HG22	1:434:A:ILE:H	20	0.1
(1,400)	1:424:A:THR:HG23	1:434:A:ILE:H	20	0.1
(1,394)	1:383:A:PHE:H	1:383:A:PHE:HD1	8	0.1
(1,357)	1:434:A:ILE:HG13	1:435:A:GLN:H	6	0.1
(1,338)	1:422:A:VAL:H	1:436:A:LEU:H	15	0.1
(1,334)	1:366:A:ASN:HB2	1:459:A:ASP:H	18	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,280)	1:407:A:LYS:H	1:408:A:THR:HB	11	0.1
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB1	12	0.1
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB2	12	0.1
(1,255)	1:392:A:LEU:H	1:445:A:ALA:HB3	12	0.1
(1,213)	1:373:A:PRO:HG2	1:375:A:ARG:H	15	0.1
(1,205)	1:393:A:ARG:H	1:393:A:ARG:HB2	15	0.1
(1,202)	1:390:A:VAL:HA	1:393:A:ARG:H	17	0.1
(1,200)	1:406:A:THR:HB	1:408:A:THR:H	8	0.1
(1,200)	1:406:A:THR:HB	1:408:A:THR:H	15	0.1
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG3	14	0.1
(1,152)	1:374:A:LYS:H	1:374:A:LYS:HG2	14	0.1
(1,129)	1:430:A:GLU:H	1:431:A:THR:H	4	0.1
(1,129)	1:430:A:GLU:H	1:431:A:THR:H	17	0.1
(1,61)	1:358:A:CYS:HA	1:386:A:GLY:H	18	0.1
(1,51)	1:420:A:GLY:H	1:435:A:GLN:HG2	5	0.1
(1,50)	1:420:A:GLY:H	1:438:A:PRO:HA	16	0.1
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG2	4	0.1
(1,36)	1:429:A:GLY:H	1:430:A:GLU:HG3	4	0.1
(1,3)	1:411:A:GLY:H	1:413:A:LEU:HG	1	0.1

10 Dihedral-angle violation analysis

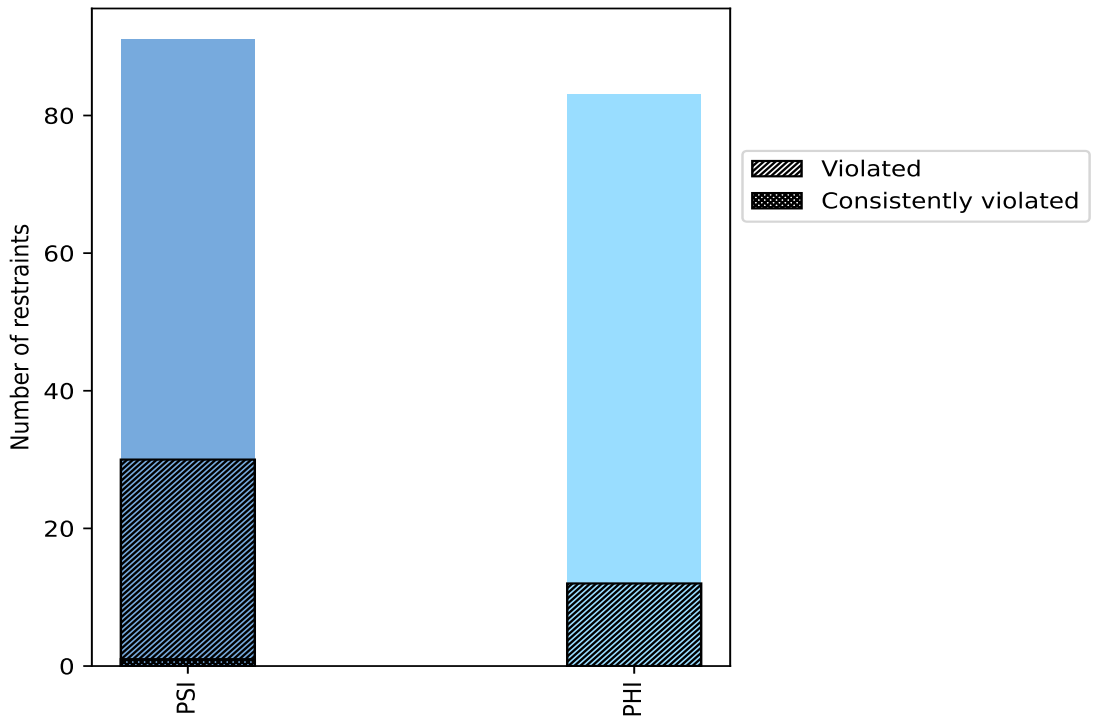
10.1 Summary of dihedral-angle violations

The following table provides the summary of dihedral-angle violations in different dihedral-angle types. Violations less than 1° are not included in the calculation.

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PSI	91	52.3	30	33.0	17.2	1	1.1	0.6
PHI	83	47.7	12	14.5	6.9	0	0.0	0.0
Total	174	100.0	42	24.1	24.1	1	0.6	0.6

[1] percentage calculated with respect to total number of dihedral-angle restraints, [2] percentage calculated with respect to number of restraints in a particular dihedral-angle type, [3] violated in at least one model, [4] violated in all the models

10.1.1 Bar chart : Distribution of dihedral-angles and violations



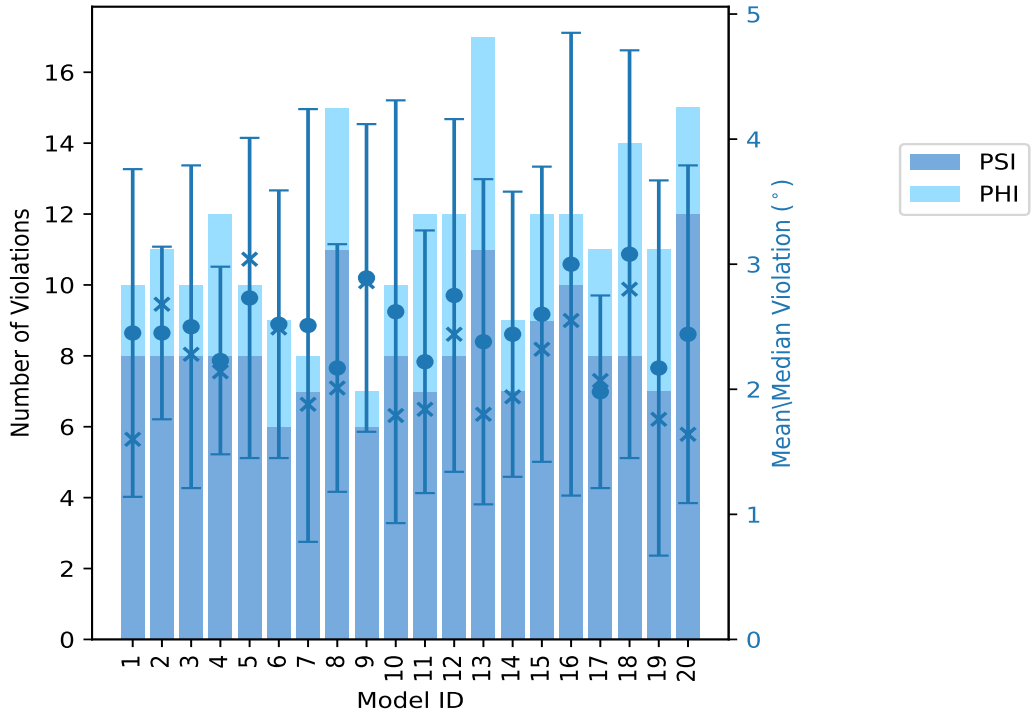
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model (i)

The following table provides the dihedral-angle violation statistics for each model in the ensemble. Violations less than 1° are not included in the statistics.

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	8	2	10	2.45	5.24	1.31	1.6
2	8	3	11	2.45	3.29	0.69	2.68
3	8	2	10	2.5	5.38	1.29	2.28
4	8	4	12	2.23	3.52	0.75	2.14
5	8	2	10	2.73	4.81	1.28	3.04
6	6	3	9	2.52	4.2	1.07	2.49
7	7	1	8	2.51	7.01	1.73	1.88
8	11	4	15	2.17	5.09	0.99	2.01
9	6	1	7	2.89	5.11	1.23	2.86
10	8	2	10	2.62	6.98	1.69	1.79
11	7	5	12	2.22	4.67	1.05	1.84
12	8	4	12	2.75	6.41	1.41	2.44
13	11	6	17	2.38	6.17	1.3	1.8
14	7	2	9	2.44	5.37	1.14	1.94
15	9	3	12	2.6	6.14	1.18	2.32
16	10	2	12	3.0	8.02	1.85	2.55
17	8	3	11	1.98	3.74	0.77	2.07
18	8	6	14	3.08	7.71	1.63	2.8
19	7	4	11	2.17	6.63	1.5	1.76
20	12	3	15	2.44	5.22	1.35	1.64

10.2.1 Bar graph : Dihedral violation statistics for each model



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

10.3 Dihedral-angle violation statistics for the ensemble

Violation analysis may find that some restraints are violated in very few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of ensemble.

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
8	5	13	1	5.0
2	2	4	2	10.0
3	0	3	3	15.0
4	2	6	4	20.0
2	0	2	5	25.0
2	0	2	6	30.0
0	0	0	7	35.0
3	0	3	8	40.0
0	1	1	9	45.0
1	0	1	10	50.0
0	0	0	11	55.0

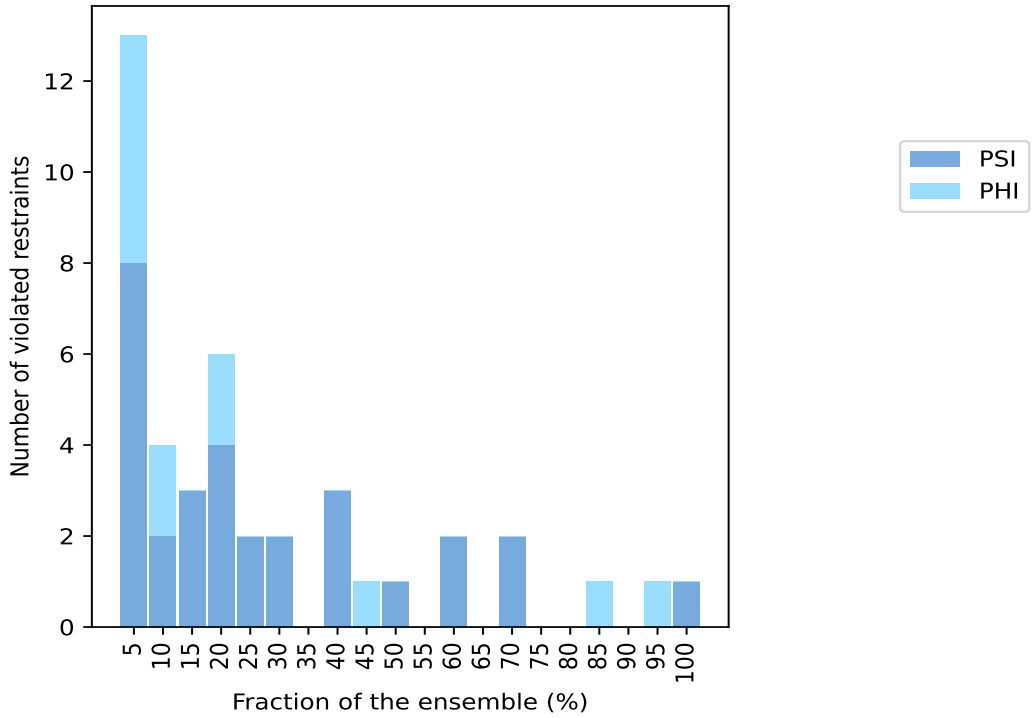
Continued on next page...

Continued from previous page...

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
2	0	2	12	60.0
0	0	0	13	65.0
2	0	2	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	1	1	17	85.0
0	0	0	18	90.0
0	1	1	19	95.0
1	0	1	20	100.0

[1] Number of models with violations

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

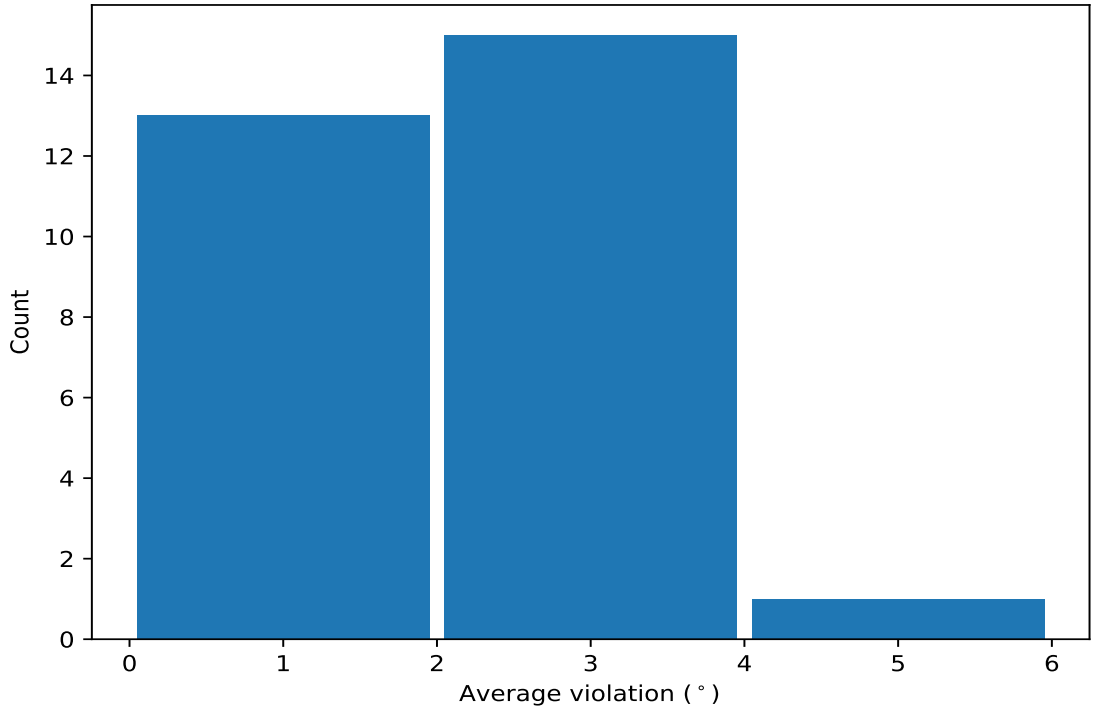


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	20	5.18	1.4	5.23
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	19	3.41	0.9	3.41
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	17	2.42	0.64	2.37
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	14	2.82	1.06	2.59
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	14	2.34	0.67	2.48
(1,6)	1:358:A:CYS:N	1:358:A:CYS:CA	1:358:A:CYS:C	1:359:A:VAL:N	12	2.97	1.73	2.86
(1,42)	1:383:A:PHE:N	1:383:A:PHE:CA	1:383:A:PHE:C	1:384:A:GLY:N	12	2.29	0.91	2.01
(1,127)	1:439:A:VAL:N	1:439:A:VAL:CA	1:439:A:VAL:C	1:440:A:ASN:N	10	2.01	0.82	1.95
(1,144)	1:448:A:PHE:C	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	9	1.99	0.64	1.91
(1,163)	1:458:A:CYS:N	1:458:A:CYS:CA	1:458:A:CYS:C	1:459:A:ASP:N	8	2.3	0.7	2.02
(1,43)	1:385:A:PRO:N	1:385:A:PRO:CA	1:385:A:PRO:C	1:386:A:GLY:N	8	2.08	0.48	1.94
(1,174)	1:466:A:PRO:N	1:466:A:PRO:CA	1:466:A:PRO:C	1:467:A:PHE:N	8	2.02	0.84	1.68
(1,93)	1:419:A:GLY:N	1:419:A:GLY:CA	1:419:A:GLY:C	1:420:A:GLY:N	6	1.92	0.79	1.6
(1,111)	1:430:A:GLU:N	1:430:A:GLU:CA	1:430:A:GLU:C	1:431:A:THR:N	6	1.7	0.51	1.42
(1,137)	1:445:A:ALA:N	1:445:A:ALA:CA	1:445:A:ALA:C	1:446:A:LEU:N	5	1.72	0.53	1.88
(1,135)	1:444:A:PHE:N	1:444:A:PHE:CA	1:444:A:PHE:C	1:445:A:ALA:N	5	1.44	0.22	1.39
(1,105)	1:426:A:SER:N	1:426:A:SER:CA	1:426:A:SER:C	1:427:A:PHE:N	4	2.08	0.73	2.1
(1,87)	1:413:A:LEU:C	1:414:A:LYS:N	1:414:A:LYS:CA	1:414:A:LYS:C	4	2.01	1.17	1.37
(1,171)	1:463:A:SER:N	1:463:A:SER:CA	1:463:A:SER:C	1:464:A:SER:N	4	1.91	0.38	1.78
(1,10)	1:360:A:TYR:N	1:360:A:TYR:CA	1:360:A:TYR:C	1:361:A:VAL:N	4	1.84	0.32	1.85

Continued on next page...

Continued from previous page...

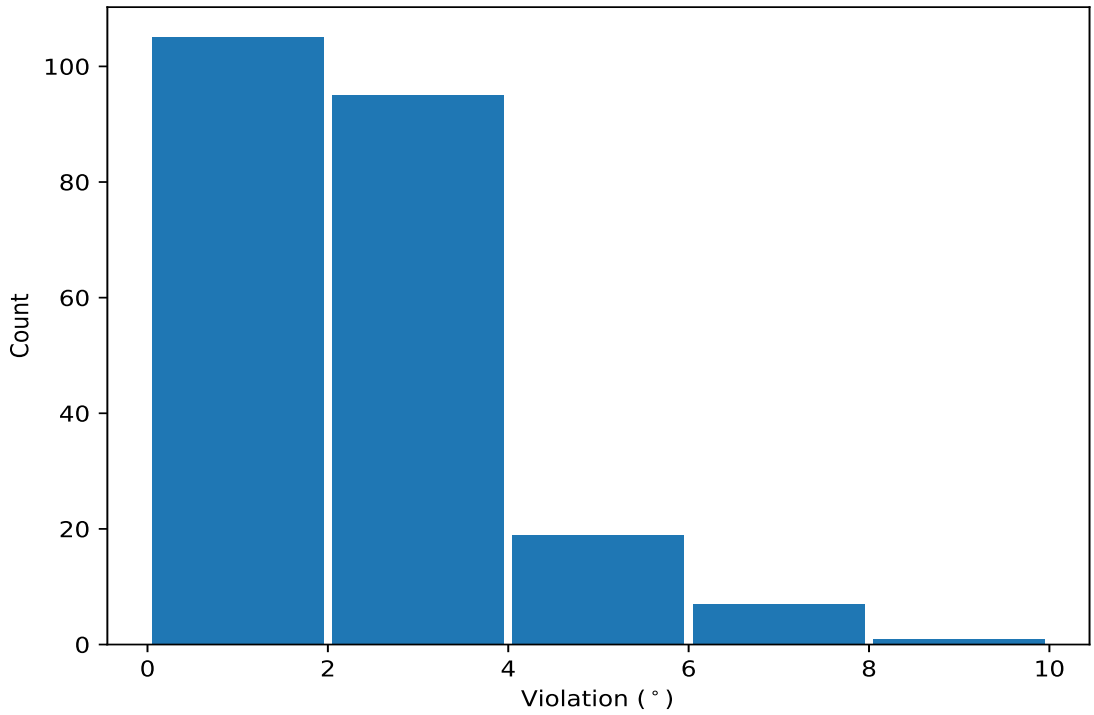
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,26)	1:373:A:PRO:C	1:374:A:LYS:N	1:374:A:LYS:CA	1:374:A:LYS:C	4	1.57	0.32	1.7
(1,56)	1:393:A:ARG:N	1:393:A:ARG:CA	1:393:A:ARG:C	1:394:A:ARG:N	4	1.36	0.15	1.36
(1,115)	1:432:A:HIS:N	1:432:A:HIS:CA	1:432:A:HIS:C	1:433:A:SER:N	3	2.32	0.88	2.48
(1,124)	1:437:A:PRO:N	1:437:A:PRO:CA	1:437:A:PRO:C	1:438:A:PRO:N	3	1.9	0.96	1.42
(1,113)	1:431:A:THR:N	1:431:A:THR:CA	1:431:A:THR:C	1:432:A:HIS:N	3	1.67	0.43	1.48
(1,172)	1:464:A:SER:C	1:465:A:GLN:N	1:465:A:GLN:CA	1:465:A:GLN:C	2	2.22	0.27	2.22
(1,107)	1:428:A:ASP:N	1:428:A:ASP:CA	1:428:A:ASP:C	1:429:A:GLY:N	2	2.08	0.87	2.08
(1,89)	1:415:A:PRO:N	1:415:A:PRO:CA	1:415:A:PRO:C	1:416:A:ASP:N	2	1.54	0.33	1.54
(1,134)	1:443:A:SER:C	1:444:A:PHE:N	1:444:A:PHE:CA	1:444:A:PHE:C	2	1.36	0.15	1.36

[1] Number of violated models, [2]Standard deviation, All angle values are in degree (°)

10.5 All violated dihedral-angle restraints (i)

10.5.1 Histogram : Distribution of violations (i)

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



10.5.2 Table: All violated dihedral-angle restraints (i)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	16	8.02
(1,6)	1:358:A:CYS:N	1:358:A:CYS:CA	1:358:A:CYS:C	1:359:A:VAL:N	18	7.71
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	7	7.01
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	10	6.98
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	19	6.63
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	12	6.41
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	13	6.17
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	15	6.14
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	3	5.38
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	14	5.37
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	1	5.24
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	20	5.22
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	9	5.11
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	8	5.09
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	5	4.81
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	11	4.67
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	20	4.66
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	16	4.51
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	5	4.44
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	3	4.36
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	10	4.36
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	18	4.36
(1,6)	1:358:A:CYS:N	1:358:A:CYS:CA	1:358:A:CYS:C	1:359:A:VAL:N	6	4.2
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	6	4.16
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	11	4.06
(1,42)	1:383:A:PHE:N	1:383:A:PHE:CA	1:383:A:PHE:C	1:384:A:GLY:N	12	4.06
(1,87)	1:413:A:LEU:C	1:414:A:LYS:N	1:414:A:LYS:CA	1:414:A:LYS:C	18	4.03
(1,42)	1:383:A:PHE:N	1:383:A:PHE:CA	1:383:A:PHE:C	1:384:A:GLY:N	1	3.96
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	18	3.95
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	9	3.87
(1,127)	1:439:A:VAL:N	1:439:A:VAL:CA	1:439:A:VAL:C	1:440:A:ASN:N	18	3.85
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	17	3.74
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	16	3.74
(1,174)	1:466:A:PRO:N	1:466:A:PRO:CA	1:466:A:PRO:C	1:467:A:PHE:N	16	3.68
(1,163)	1:458:A:CYS:N	1:458:A:CYS:CA	1:458:A:CYS:C	1:459:A:ASP:N	12	3.67
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	13	3.66
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	20	3.66
(1,6)	1:358:A:CYS:N	1:358:A:CYS:CA	1:358:A:CYS:C	1:359:A:VAL:N	13	3.58
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	4	3.52
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	20	3.49
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	16	3.43
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	1	3.41
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	13	3.4
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	15	3.38
(1,6)	1:358:A:CYS:N	1:358:A:CYS:CA	1:358:A:CYS:C	1:359:A:VAL:N	5	3.36
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	9	3.35
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	5	3.34
(1,6)	1:358:A:CYS:N	1:358:A:CYS:CA	1:358:A:CYS:C	1:359:A:VAL:N	20	3.33
(1,115)	1:432:A:HIS:N	1:432:A:HIS:CA	1:432:A:HIS:C	1:433:A:SER:N	4	3.31
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	2	3.29
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	8	3.28
(1,6)	1:358:A:CYS:N	1:358:A:CYS:CA	1:358:A:CYS:C	1:359:A:VAL:N	2	3.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,124)	1:437:A:PRO:N	1:437:A:PRO:CA	1:437:A:PRO:C	1:438:A:PRO:N	13	3.24
(1,93)	1:419:A:GLY:N	1:419:A:GLY:CA	1:419:A:GLY:C	1:420:A:GLY:N	18	3.2
(1,174)	1:466:A:PRO:N	1:466:A:PRO:CA	1:466:A:PRO:C	1:467:A:PHE:N	5	3.18
(1,43)	1:385:A:PRO:N	1:385:A:PRO:CA	1:385:A:PRO:C	1:386:A:GLY:N	2	3.13
(1,105)	1:426:A:SER:N	1:426:A:SER:CA	1:426:A:SER:C	1:427:A:PHE:N	4	3.1
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	12	3.08
(1,103)	1:425:A:ALA:N	1:425:A:ALA:CA	1:425:A:ALA:C	1:426:A:SER:N	19	3.05
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	1	3.05
(1,42)	1:383:A:PHE:N	1:383:A:PHE:CA	1:383:A:PHE:C	1:384:A:GLY:N	20	3.05
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	18	3.04
(1,144)	1:448:A:PHE:C	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	8	2.99
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	14	2.98
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	2	2.97
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	13	2.96
(1,107)	1:428:A:ASP:N	1:428:A:ASP:CA	1:428:A:ASP:C	1:429:A:GLY:N	15	2.95
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	5	2.91
(1,163)	1:458:A:CYS:N	1:458:A:CYS:CA	1:458:A:CYS:C	1:459:A:ASP:N	9	2.86
(1,144)	1:448:A:PHE:C	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	12	2.85
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	6	2.84
(1,163)	1:458:A:CYS:N	1:458:A:CYS:CA	1:458:A:CYS:C	1:459:A:ASP:N	20	2.83
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	6	2.81
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	12	2.76
(1,93)	1:419:A:GLY:N	1:419:A:GLY:CA	1:419:A:GLY:C	1:420:A:GLY:N	2	2.75
(1,127)	1:439:A:VAL:N	1:439:A:VAL:CA	1:439:A:VAL:C	1:440:A:ASN:N	2	2.68
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	14	2.67
(1,129)	1:441:A:SER:N	1:441:A:SER:CA	1:441:A:SER:C	1:442:A:ALA:N	11	2.67
(1,111)	1:430:A:GLU:N	1:430:A:GLU:CA	1:430:A:GLU:C	1:431:A:THR:N	13	2.66
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	17	2.64
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	10	2.61
(1,127)	1:439:A:VAL:N	1:439:A:VAL:CA	1:439:A:VAL:C	1:440:A:ASN:N	10	2.6
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	16	2.59
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	7	2.58
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	18	2.57
(1,42)	1:383:A:PHE:N	1:383:A:PHE:CA	1:383:A:PHE:C	1:384:A:GLY:N	4	2.54
(1,137)	1:445:A:ALA:N	1:445:A:ALA:CA	1:445:A:ALA:C	1:446:A:LEU:N	16	2.51
(1,171)	1:463:A:SER:N	1:463:A:SER:CA	1:463:A:SER:C	1:464:A:SER:N	3	2.5
(1,172)	1:464:A:SER:C	1:465:A:GLN:N	1:465:A:GLN:CA	1:465:A:GLN:C	6	2.49
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	3	2.49
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	15	2.49
(1,115)	1:432:A:HIS:N	1:432:A:HIS:CA	1:432:A:HIS:C	1:433:A:SER:N	3	2.48
(1,6)	1:358:A:CYS:N	1:358:A:CYS:CA	1:358:A:CYS:C	1:359:A:VAL:N	4	2.44
(1,43)	1:385:A:PRO:N	1:385:A:PRO:CA	1:385:A:PRO:C	1:386:A:GLY:N	8	2.41
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	17	2.39
(1,144)	1:448:A:PHE:C	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	15	2.38
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	15	2.37
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	14	2.37
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	6	2.31
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	17	2.28
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	4	2.27
(1,113)	1:431:A:THR:N	1:431:A:THR:CA	1:431:A:THR:C	1:432:A:HIS:N	15	2.27
(1,10)	1:360:A:TYR:N	1:360:A:TYR:CA	1:360:A:TYR:C	1:361:A:VAL:N	8	2.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	11	2.24
(1,43)	1:385:A:PRO:N	1:385:A:PRO:CA	1:385:A:PRO:C	1:386:A:GLY:N	11	2.24
(1,42)	1:383:A:PHE:N	1:383:A:PHE:CA	1:383:A:PHE:C	1:384:A:GLY:N	16	2.24
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	8	2.2
(1,144)	1:448:A:PHE:C	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	18	2.19
(1,42)	1:383:A:PHE:N	1:383:A:PHE:CA	1:383:A:PHE:C	1:384:A:GLY:N	8	2.19
(1,163)	1:458:A:CYS:N	1:458:A:CYS:CA	1:458:A:CYS:C	1:459:A:ASP:N	18	2.17
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	2	2.15
(1,6)	1:358:A:CYS:N	1:358:A:CYS:CA	1:358:A:CYS:C	1:359:A:VAL:N	17	2.15
(1,127)	1:439:A:VAL:N	1:439:A:VAL:CA	1:439:A:VAL:C	1:440:A:ASN:N	15	2.14
(1,105)	1:426:A:SER:N	1:426:A:SER:CA	1:426:A:SER:C	1:427:A:PHE:N	13	2.14
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	12	2.13
(1,111)	1:430:A:GLU:N	1:430:A:GLU:CA	1:430:A:GLU:C	1:431:A:THR:N	2	2.08
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	17	2.07
(1,105)	1:426:A:SER:N	1:426:A:SER:CA	1:426:A:SER:C	1:427:A:PHE:N	3	2.07
(1,43)	1:385:A:PRO:N	1:385:A:PRO:CA	1:385:A:PRO:C	1:386:A:GLY:N	15	2.02
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	4	2.01
(1,127)	1:439:A:VAL:N	1:439:A:VAL:CA	1:439:A:VAL:C	1:440:A:ASN:N	8	2.01
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	12	2.0
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	8	1.99
(1,171)	1:463:A:SER:N	1:463:A:SER:CA	1:463:A:SER:C	1:464:A:SER:N	12	1.97
(1,10)	1:360:A:TYR:N	1:360:A:TYR:CA	1:360:A:TYR:C	1:361:A:VAL:N	15	1.96
(1,172)	1:464:A:SER:C	1:465:A:GLN:N	1:465:A:GLN:CA	1:465:A:GLN:C	18	1.95
(1,137)	1:445:A:ALA:N	1:445:A:ALA:CA	1:445:A:ALA:C	1:446:A:LEU:N	14	1.94
(1,119)	1:434:A:ILE:N	1:434:A:ILE:CA	1:434:A:ILE:C	1:435:A:GLN:N	7	1.94
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	19	1.94
(1,144)	1:448:A:PHE:C	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	19	1.91
(1,127)	1:439:A:VAL:N	1:439:A:VAL:CA	1:439:A:VAL:C	1:440:A:ASN:N	7	1.89
(1,137)	1:445:A:ALA:N	1:445:A:ALA:CA	1:445:A:ALA:C	1:446:A:LEU:N	7	1.88
(1,163)	1:458:A:CYS:N	1:458:A:CYS:CA	1:458:A:CYS:C	1:459:A:ASP:N	4	1.86
(1,144)	1:448:A:PHE:C	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	4	1.86
(1,89)	1:415:A:PRO:N	1:415:A:PRO:CA	1:415:A:PRO:C	1:416:A:ASP:N	15	1.86
(1,43)	1:385:A:PRO:N	1:385:A:PRO:CA	1:385:A:PRO:C	1:386:A:GLY:N	14	1.86
(1,26)	1:373:A:PRO:C	1:374:A:LYS:N	1:374:A:LYS:CA	1:374:A:LYS:C	11	1.84
(1,163)	1:458:A:CYS:N	1:458:A:CYS:CA	1:458:A:CYS:C	1:459:A:ASP:N	2	1.83
(1,42)	1:383:A:PHE:N	1:383:A:PHE:CA	1:383:A:PHE:C	1:384:A:GLY:N	11	1.83
(1,135)	1:444:A:PHE:N	1:444:A:PHE:CA	1:444:A:PHE:C	1:445:A:ALA:N	19	1.81
(1,26)	1:373:A:PRO:C	1:374:A:LYS:N	1:374:A:LYS:CA	1:374:A:LYS:C	13	1.8
(1,6)	1:358:A:CYS:N	1:358:A:CYS:CA	1:358:A:CYS:C	1:359:A:VAL:N	10	1.8
(1,93)	1:419:A:GLY:N	1:419:A:GLY:CA	1:419:A:GLY:C	1:420:A:GLY:N	9	1.79
(1,174)	1:466:A:PRO:N	1:466:A:PRO:CA	1:466:A:PRO:C	1:467:A:PHE:N	10	1.78
(1,43)	1:385:A:PRO:N	1:385:A:PRO:CA	1:385:A:PRO:C	1:386:A:GLY:N	9	1.78
(1,42)	1:383:A:PHE:N	1:383:A:PHE:CA	1:383:A:PHE:C	1:384:A:GLY:N	13	1.78
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	19	1.76
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	7	1.75
(1,42)	1:383:A:PHE:N	1:383:A:PHE:CA	1:383:A:PHE:C	1:384:A:GLY:N	14	1.75
(1,10)	1:360:A:TYR:N	1:360:A:TYR:CA	1:360:A:TYR:C	1:361:A:VAL:N	11	1.74
(1,174)	1:466:A:PRO:N	1:466:A:PRO:CA	1:466:A:PRO:C	1:467:A:PHE:N	17	1.73
(1,122)	1:435:A:GLN:C	1:436:A:LEU:N	1:436:A:LEU:CA	1:436:A:LEU:C	19	1.68
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	14	1.66
(1,2)	1:356:A:THR:N	1:356:A:THR:CA	1:356:A:THR:C	1:357:A:VAL:N	8	1.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,174)	1:466:A:PRO:N	1:466:A:PRO:CA	1:466:A:PRO:C	1:467:A:PHE:N	20	1.64
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	2	1.64
(1,163)	1:458:A:CYS:N	1:458:A:CYS:CA	1:458:A:CYS:C	1:459:A:ASP:N	1	1.63
(1,133)	1:443:A:SER:N	1:443:A:SER:CA	1:443:A:SER:C	1:444:A:PHE:N	3	1.63
(1,43)	1:385:A:PRO:N	1:385:A:PRO:CA	1:385:A:PRO:C	1:386:A:GLY:N	10	1.62
(1,43)	1:385:A:PRO:N	1:385:A:PRO:CA	1:385:A:PRO:C	1:386:A:GLY:N	19	1.61
(1,26)	1:373:A:PRO:C	1:374:A:LYS:N	1:374:A:LYS:CA	1:374:A:LYS:C	12	1.6
(1,171)	1:463:A:SER:N	1:463:A:SER:CA	1:463:A:SER:C	1:464:A:SER:N	16	1.59
(1,171)	1:463:A:SER:N	1:463:A:SER:CA	1:463:A:SER:C	1:464:A:SER:N	1	1.57
(1,42)	1:383:A:PHE:N	1:383:A:PHE:CA	1:383:A:PHE:C	1:384:A:GLY:N	3	1.57
(1,163)	1:458:A:CYS:N	1:458:A:CYS:CA	1:458:A:CYS:C	1:459:A:ASP:N	8	1.56
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	10	1.53
(1,56)	1:393:A:ARG:N	1:393:A:ARG:CA	1:393:A:ARG:C	1:394:A:ARG:N	7	1.53
(1,4)	1:357:A:VAL:N	1:357:A:VAL:CA	1:357:A:VAL:C	1:358:A:CYS:N	1	1.52
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	1	1.51
(1,135)	1:444:A:PHE:N	1:444:A:PHE:CA	1:444:A:PHE:C	1:445:A:ALA:N	13	1.51
(1,134)	1:443:A:SER:C	1:444:A:PHE:N	1:444:A:PHE:CA	1:444:A:PHE:C	8	1.5
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	10	1.49
(1,56)	1:393:A:ARG:N	1:393:A:ARG:CA	1:393:A:ARG:C	1:394:A:ARG:N	11	1.49
(1,174)	1:466:A:PRO:N	1:466:A:PRO:CA	1:466:A:PRO:C	1:467:A:PHE:N	9	1.48
(1,113)	1:431:A:THR:N	1:431:A:THR:CA	1:431:A:THR:C	1:432:A:HIS:N	7	1.48
(1,111)	1:430:A:GLU:N	1:430:A:GLU:CA	1:430:A:GLU:C	1:431:A:THR:N	5	1.43
(1,124)	1:437:A:PRO:N	1:437:A:PRO:CA	1:437:A:PRO:C	1:438:A:PRO:N	4	1.42
(1,111)	1:430:A:GLU:N	1:430:A:GLU:CA	1:430:A:GLU:C	1:431:A:THR:N	19	1.41
(1,93)	1:419:A:GLY:N	1:419:A:GLY:CA	1:419:A:GLY:C	1:420:A:GLY:N	11	1.4
(1,135)	1:444:A:PHE:N	1:444:A:PHE:CA	1:444:A:PHE:C	1:445:A:ALA:N	20	1.39
(1,127)	1:439:A:VAL:N	1:439:A:VAL:CA	1:439:A:VAL:C	1:440:A:ASN:N	14	1.39
(1,87)	1:413:A:LEU:C	1:414:A:LYS:N	1:414:A:LYS:CA	1:414:A:LYS:C	20	1.39
(1,174)	1:466:A:PRO:N	1:466:A:PRO:CA	1:466:A:PRO:C	1:467:A:PHE:N	13	1.38
(1,111)	1:430:A:GLU:N	1:430:A:GLU:CA	1:430:A:GLU:C	1:431:A:THR:N	10	1.38
(1,92)	1:418:A:ARG:C	1:419:A:GLY:N	1:419:A:GLY:CA	1:419:A:GLY:C	18	1.38
(1,74)	1:404:A:LEU:N	1:404:A:LEU:CA	1:404:A:LEU:C	1:405:A:GLU:N	20	1.38
(1,10)	1:360:A:TYR:N	1:360:A:TYR:CA	1:360:A:TYR:C	1:361:A:VAL:N	1	1.38
(1,100)	1:423:A:ILE:C	1:424:A:THR:N	1:424:A:THR:CA	1:424:A:THR:C	6	1.36
(1,93)	1:419:A:GLY:N	1:419:A:GLY:CA	1:419:A:GLY:C	1:420:A:GLY:N	5	1.36
(1,16)	1:364:A:HIS:N	1:364:A:HIS:CA	1:364:A:HIS:C	1:365:A:GLY:N	18	1.36
(1,6)	1:358:A:CYS:N	1:358:A:CYS:CA	1:358:A:CYS:C	1:359:A:VAL:N	16	1.36
(1,87)	1:413:A:LEU:C	1:414:A:LYS:N	1:414:A:LYS:CA	1:414:A:LYS:C	13	1.35
(1,135)	1:444:A:PHE:N	1:444:A:PHE:CA	1:444:A:PHE:C	1:445:A:ALA:N	18	1.34
(1,42)	1:383:A:PHE:N	1:383:A:PHE:CA	1:383:A:PHE:C	1:384:A:GLY:N	17	1.34
(1,144)	1:448:A:PHE:C	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	13	1.31
(1,161)	1:457:A:GLN:N	1:457:A:GLN:CA	1:457:A:GLN:C	1:458:A:CYS:N	3	1.29
(1,153)	1:453:A:CYS:N	1:453:A:CYS:CA	1:453:A:CYS:C	1:454:A:HIS:N	6	1.28
(1,174)	1:466:A:PRO:N	1:466:A:PRO:CA	1:466:A:PRO:C	1:467:A:PHE:N	15	1.27
(1,113)	1:431:A:THR:N	1:431:A:THR:CA	1:431:A:THR:C	1:432:A:HIS:N	13	1.26
(1,90)	1:415:A:PRO:C	1:416:A:ASP:N	1:416:A:ASP:CA	1:416:A:ASP:C	4	1.26
(1,87)	1:413:A:LEU:C	1:414:A:LYS:N	1:414:A:LYS:CA	1:414:A:LYS:C	11	1.26
(1,127)	1:439:A:VAL:N	1:439:A:VAL:CA	1:439:A:VAL:C	1:440:A:ASN:N	6	1.25
(1,6)	1:358:A:CYS:N	1:358:A:CYS:CA	1:358:A:CYS:C	1:359:A:VAL:N	8	1.25
(1,144)	1:448:A:PHE:C	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	11	1.24
(1,137)	1:445:A:ALA:N	1:445:A:ALA:CA	1:445:A:ALA:C	1:446:A:LEU:N	17	1.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,127)	1:439:A:VAL:N	1:439:A:VAL:CA	1:439:A:VAL:C	1:440:A:ASN:N	12	1.24
(1,111)	1:430:A:GLU:N	1:430:A:GLU:CA	1:430:A:GLU:C	1:431:A:THR:N	20	1.24
(1,56)	1:393:A:ARG:N	1:393:A:ARG:CA	1:393:A:ARG:C	1:394:A:ARG:N	5	1.24
(1,108)	1:428:A:ASP:C	1:429:A:GLY:N	1:429:A:GLY:CA	1:429:A:GLY:C	4	1.22
(1,107)	1:428:A:ASP:N	1:428:A:ASP:CA	1:428:A:ASP:C	1:429:A:GLY:N	3	1.22
(1,134)	1:443:A:SER:C	1:444:A:PHE:N	1:444:A:PHE:CA	1:444:A:PHE:C	13	1.21
(1,89)	1:415:A:PRO:N	1:415:A:PRO:CA	1:415:A:PRO:C	1:416:A:ASP:N	1	1.21
(1,42)	1:383:A:PHE:N	1:383:A:PHE:CA	1:383:A:PHE:C	1:384:A:GLY:N	5	1.21
(1,145)	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	1:450:A:GLU:N	20	1.2
(1,56)	1:393:A:ARG:N	1:393:A:ARG:CA	1:393:A:ARG:C	1:394:A:ARG:N	16	1.19
(1,115)	1:432:A:HIS:N	1:432:A:HIS:CA	1:432:A:HIS:C	1:433:A:SER:N	16	1.18
(1,6)	1:358:A:CYS:N	1:358:A:CYS:CA	1:358:A:CYS:C	1:359:A:VAL:N	12	1.18
(1,135)	1:444:A:PHE:N	1:444:A:PHE:CA	1:444:A:PHE:C	1:445:A:ALA:N	8	1.16
(1,144)	1:448:A:PHE:C	1:449:A:LEU:N	1:449:A:LEU:CA	1:449:A:LEU:C	17	1.15
(1,102)	1:424:A:THR:C	1:425:A:ALA:N	1:425:A:ALA:CA	1:425:A:ALA:C	2	1.13
(1,26)	1:373:A:PRO:C	1:374:A:LYS:N	1:374:A:LYS:CA	1:374:A:LYS:C	8	1.04
(1,127)	1:439:A:VAL:N	1:439:A:VAL:CA	1:439:A:VAL:C	1:440:A:ASN:N	17	1.03
(1,124)	1:437:A:PRO:N	1:437:A:PRO:CA	1:437:A:PRO:C	1:438:A:PRO:N	20	1.03
(1,112)	1:430:A:GLU:C	1:431:A:THR:N	1:431:A:THR:CA	1:431:A:THR:C	19	1.03
(1,105)	1:426:A:SER:N	1:426:A:SER:CA	1:426:A:SER:C	1:427:A:PHE:N	19	1.03
(1,137)	1:445:A:ALA:N	1:445:A:ALA:CA	1:445:A:ALA:C	1:446:A:LEU:N	20	1.02
(1,93)	1:419:A:GLY:N	1:419:A:GLY:CA	1:419:A:GLY:C	1:420:A:GLY:N	13	1.02