



Full wwPDB NMR Structure Validation Report ⓘ

Mar 6, 2026 – 05:51 AM UTC

PDB ID : 6NU0 / pdb_00006nu0
BMRB ID : 12032
Title : Solution NMR structure of 1918 NS1 effector domain
Authors : Shen, Q.; Cho, J.H.
Deposited on : 2019-01-30

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

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

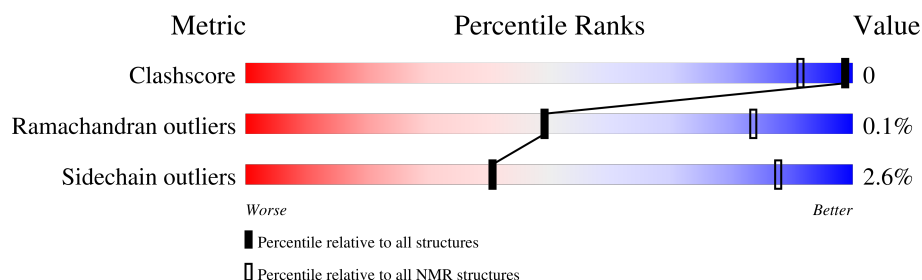
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 85%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	230	

2 Ensemble composition and analysis

This entry contains 20 models. Model 20 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:90-A:136, A:144-A:163, A:170-A:202 (100)	0.57	20

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 3 single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1903 atoms, of which 960 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Non-structural protein 1.

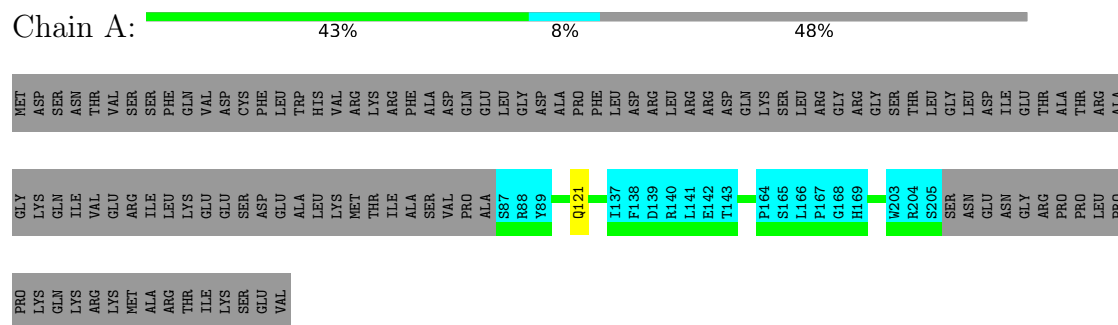
Mol	Chain	Residues	Atoms						Trace
1	A	119	Total	C	H	N	O	S	0
			1903	596	960	163	177	7	

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	70	LYS	GLU	conflict	UNP A0A2Z5CYV0
A	178	VAL	ILE	conflict	UNP A0A2Z5CYV0
A	187	ARG	TRP	engineered mutation	UNP A0A2Z5CYV0
A	227	LYS	GLU	conflict	UNP A0A2Z5CYV0

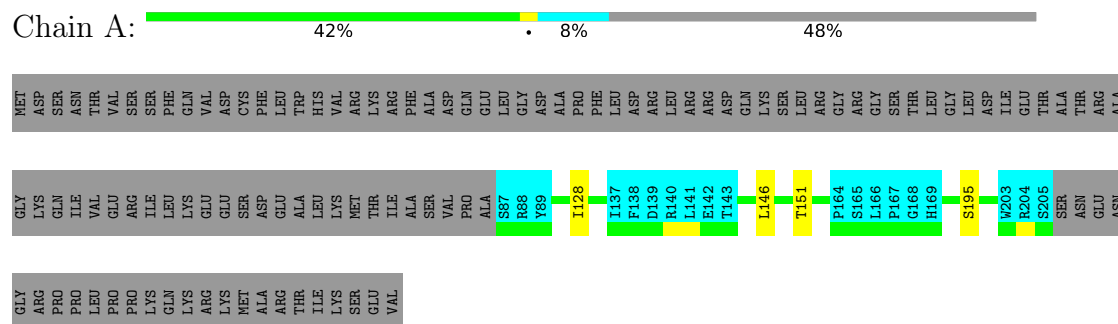
4.2.2 Score per residue for model 2

- Molecule 1: Non-structural protein 1



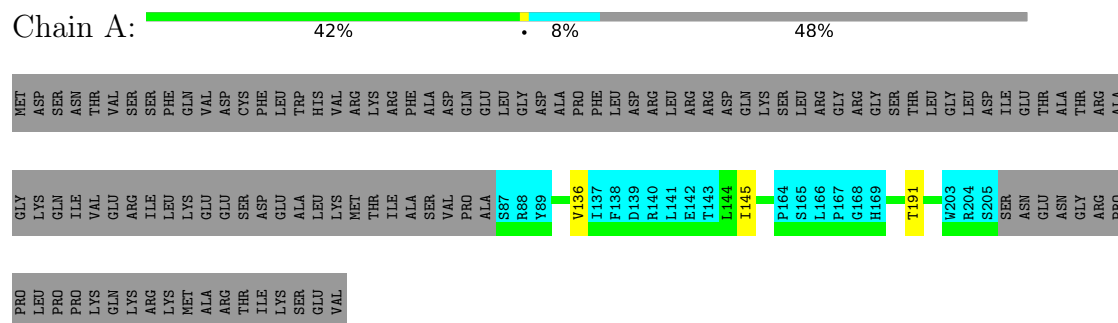
4.2.3 Score per residue for model 3

- Molecule 1: Non-structural protein 1



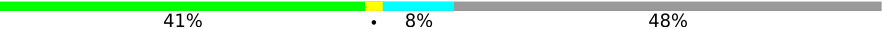
4.2.4 Score per residue for model 4

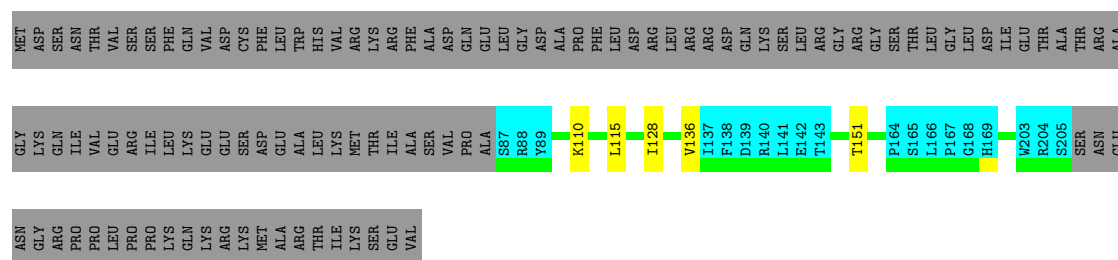
- Molecule 1: Non-structural protein 1



4.2.5 Score per residue for model 5

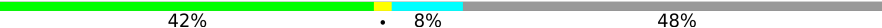
- Molecule 1: Non-structural protein 1

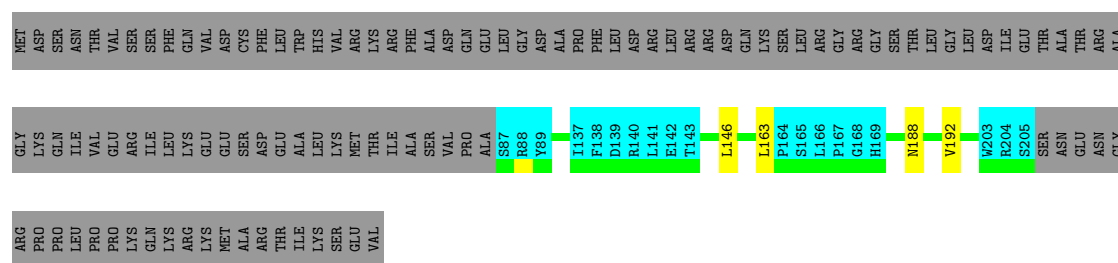
Chain A: 



4.2.6 Score per residue for model 6

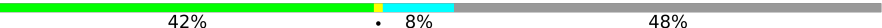
- Molecule 1: Non-structural protein 1

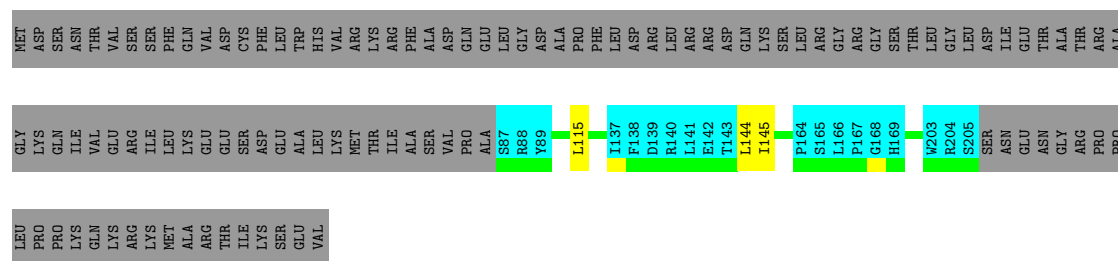
Chain A: 



4.2.7 Score per residue for model 7

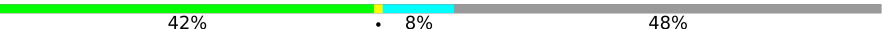
- Molecule 1: Non-structural protein 1

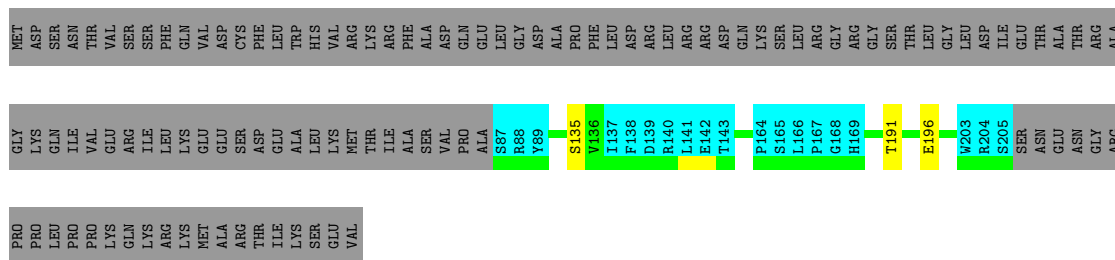
Chain A: 



4.2.8 Score per residue for model 8

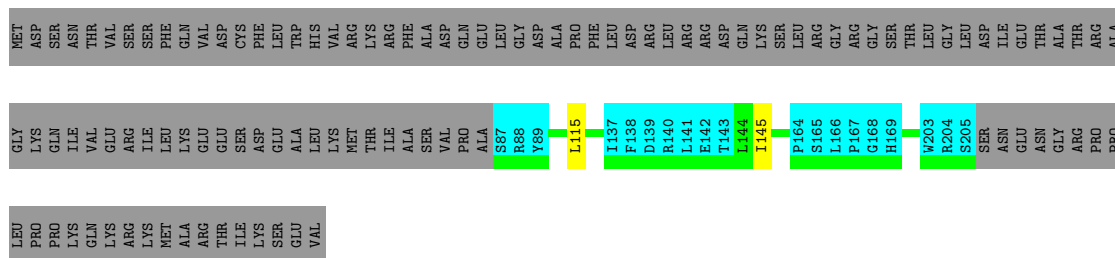
- Molecule 1: Non-structural protein 1

Chain A: 



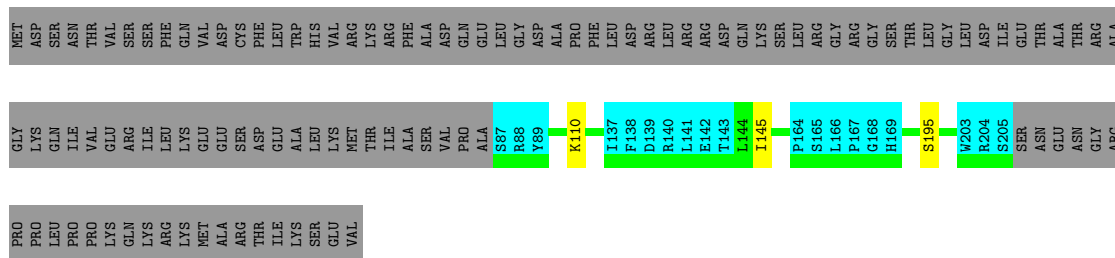
4.2.9 Score per residue for model 9

- Molecule 1: Non-structural protein 1



4.2.10 Score per residue for model 10

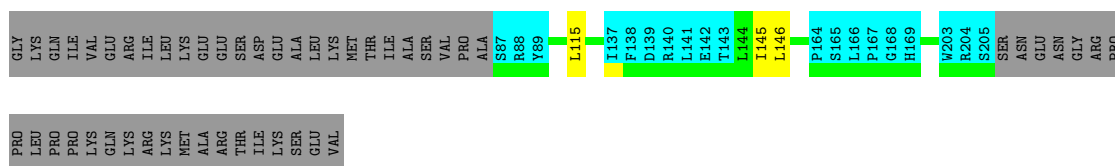
- Molecule 1: Non-structural protein 1



4.2.11 Score per residue for model 11

- Molecule 1: Non-structural protein 1

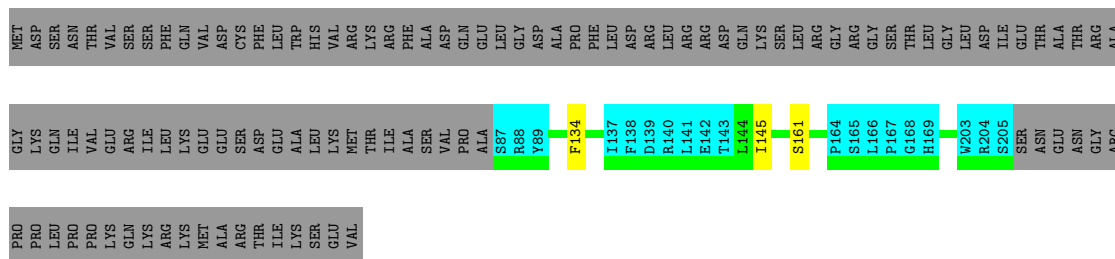




4.2.12 Score per residue for model 12

- Molecule 1: Non-structural protein 1

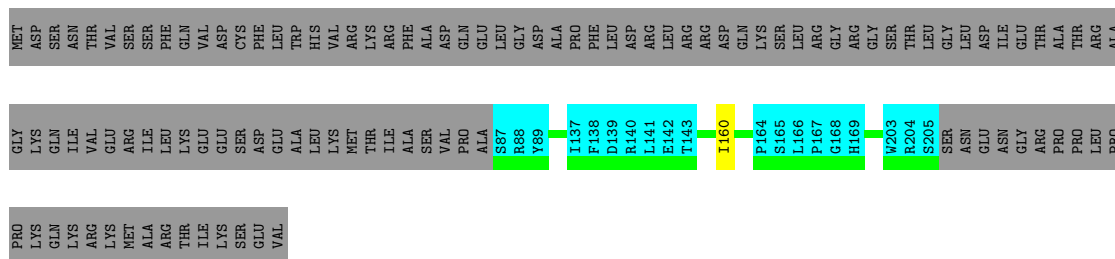
Chain A: 42% 8% 48%



4.2.13 Score per residue for model 13

- Molecule 1: Non-structural protein 1

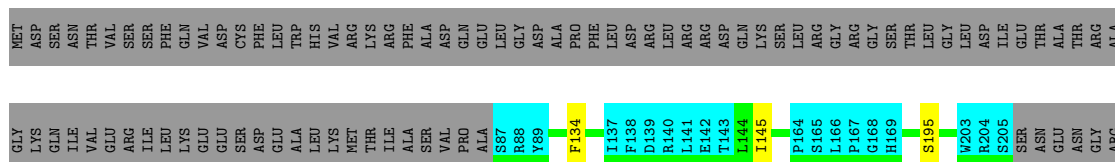
Chain A: 43% 8% 48%



4.2.14 Score per residue for model 14

- Molecule 1: Non-structural protein 1

Chain A: 42% 8% 48%



PRO
PRO
LEU
PRO
PRO
LYS
GLN
LYS
ARG
LYS
MET
MET
ALA
ARG
THR
LYS
GLU
SER
VAL

4.2.15 Score per residue for model 15

- Molecule 1: Non-structural protein 1

Chain A: 40% 8% 48%

MET ASP LYS SER THR VAL GLU SER SER PHE LEU GLN VAL ASP CYS PHE LEU TRP HIS VAL ARG LYS ARG ALA PHE SER ALA ASP VAL GLN PRO GLU LEU GLY ASP ALA PRO PHE LEU GLY ASP ALA

GLY LYS GLN VAL GLU ARG ILE LEU LEU GLN VAL GLU SER ASP GLU ALA TRP HIS VAL ARG LYS MET THR ILE ALA PHE SER ALA VAL PRO GLN SER ALA S87 R88 Y89 T91 M106 L115 L128 I137 F138 D139 R140 L141 E142 T143 L144 T145 T151 P164 S165 L166 P167 G168 H169 T197 L198

W203 R204 S205 SER ASN GLU ASN GLY PRO PRO LEU PRO PRO LYS GLN LYS ARG LYS MET ALA THR THR ILE VAL SER VAL

4.2.16 Score per residue for model 16

- Molecule 1: Non-structural protein 1

Chain A: 42% 8% 48%

MET ASP LYS SER THR VAL GLU SER SER PHE LEU GLN VAL ASP CYS PHE LEU TRP HIS VAL ARG LYS ARG ALA PHE SER ALA ASP VAL GLN PRO GLU LEU GLY ASP ALA PRO PHE LEU GLY ASP ALA

GLY LYS GLN VAL GLU ARG ILE LEU LEU GLN VAL GLU SER ASP GLU ALA TRP HIS VAL ARG LYS MET THR ILE ALA PHE SER ALA VAL PRO GLN SER ALA S87 R88 Y89 L90 I128 I137 F138 D139 R140 L141 E142 T143 S161 P164 S165 L166 P167 G168 H169 T191 W203 R204 S205 SER ASN GLU ASN GLY

ARG PRO PRO LEU PRO PRO LYS GLN ARG LYS MET MET ALA THR THR ILE VAL SER VAL

4.2.17 Score per residue for model 17

- Molecule 1: Non-structural protein 1

Chain A: 43% 8% 48%

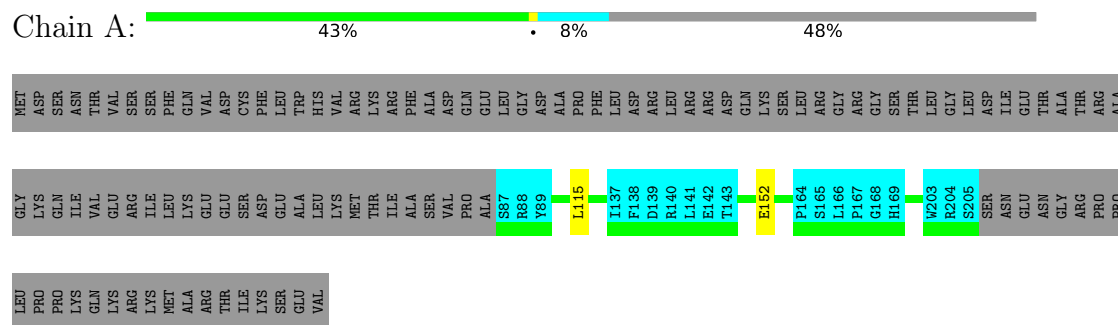
MET ASP LYS SER THR VAL GLU SER SER PHE LEU GLN VAL ASP CYS PHE LEU TRP HIS VAL ARG LYS ARG ALA PHE SER ALA ASP VAL GLN PRO GLU LEU GLY ASP ALA PRO PHE LEU GLY ASP ALA

GLY LYS GLN VAL GLU ARG ILE LEU LEU GLN VAL GLU SER ASP GLU ALA TRP HIS VAL ARG LYS MET THR ILE ALA PHE SER ALA VAL PRO GLN SER ALA S87 R88 Y89 F137 F138 D139 R140 L141 E142 T143 P164 S165 L166 P167 G168 H169 E196 W203 R204 S205 SER ASN GLU ASN GLY PRO PRO LEU PRO

PRO LYS GLN LYS ARG LYS MET ALA ARG ARG ILE THR LYS SER SER GLU VAL

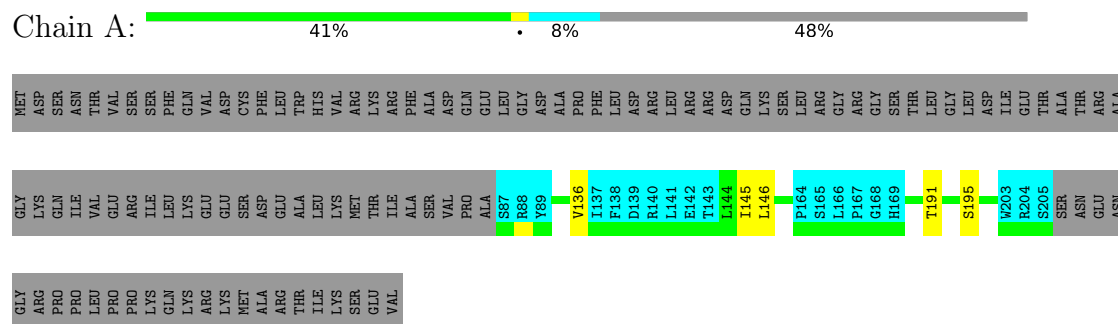
4.2.18 Score per residue for model 18

- Molecule 1: Non-structural protein 1



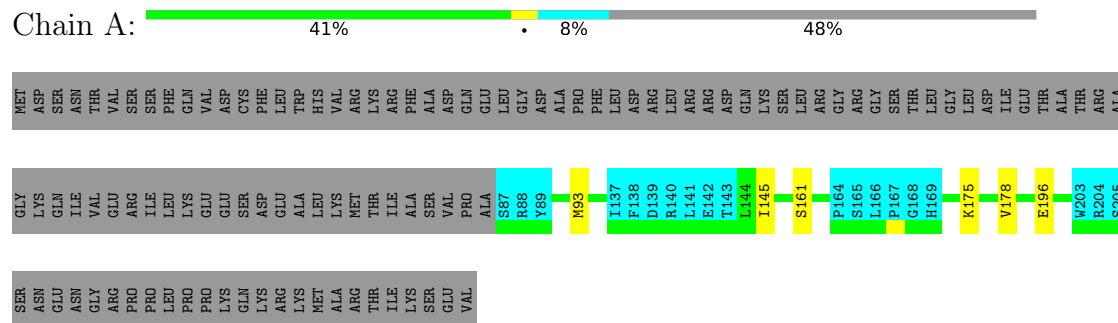
4.2.19 Score per residue for model 19

- Molecule 1: Non-structural protein 1



4.2.20 Score per residue for model 20 (medoid)

- Molecule 1: Non-structural protein 1



5 Refinement protocol and experimental data overview

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

Of the 40 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
X-PLOR NIH	refinement	
CYANA	structure calculation	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1336
Number of shifts mapped to atoms	1336
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	85%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.59±0.01	0±0/787 (0.0± 0.0%)	1.01±0.03	1±1/1062 (0.1± 0.1%)
All	All	0.59	0/15740 (0.0%)	1.01	23/21240 (0.1%)

There are no bond-length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	145	ILE	N-CA-C	-9.05	102.04	110.82	7	10
1	A	110	LYS	N-CA-C	-7.35	98.14	109.24	5	3
1	A	161	SER	CA-C-N	-5.97	114.46	120.31	12	3
1	A	161	SER	C-N-CA	-5.97	114.46	120.31	12	3
1	A	163	LEU	N-CA-C	-5.41	101.55	109.50	6	1
1	A	93	MET	N-CA-C	-5.38	101.00	109.50	20	1
1	A	106	MET	CA-C-N	-5.27	114.53	119.85	15	1
1	A	106	MET	C-N-CA	-5.27	114.53	119.85	15	1

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts [i](#)

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	779	804	804	0±0
All	All	15580	16080	16080	2

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 0.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:196:GLU:H	1:A:196:GLU:CD	0.52	2.12	17	2

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	100/230 (43%)	99±1 (99±1%)	1±1 (1±1%)	0±0 (0±0%)	49	83
All	All	2000/4600 (43%)	1981 (99%)	18 (1%)	1 (0%)	49	83

All 1 unique Ramachandran outliers are listed below.

Mol	Chain	Res	Type	Models (Total)
1	A	144	LEU	1

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	87/202 (43%)	85±1 (97±2%)	2±1 (3±2%)	41	88
All	All	1740/4040 (43%)	1694 (97%)	46 (3%)	41	88

All 21 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	115	LEU	6
1	A	128	ILE	5
1	A	146	LEU	4
1	A	195	SER	4
1	A	191	THR	4
1	A	151	THR	3
1	A	136	VAL	3
1	A	197	THR	2
1	A	134	PHE	2
1	A	196	GLU	2
1	A	121	GLN	1
1	A	188	ASN	1
1	A	192	VAL	1
1	A	135	SER	1
1	A	160	ILE	1
1	A	91	THR	1
1	A	198	LEU	1
1	A	90	LEU	1
1	A	152	GLU	1
1	A	175	LYS	1
1	A	178	VAL	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 [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 85% for the well-defined parts and 80% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *NS1_ED_187R_tr_CS_pdb_20190104.str*

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	1336
Number of shifts mapped to atoms	1336
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 $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	109	-0.40 ± 0.09	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	103	-0.05 ± 0.14	None needed (< 0.5 ppm)
$^{13}\text{C}'$	105	0.10 ± 0.16	None needed (< 0.5 ppm)
^{15}N	109	0.38 ± 0.19	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 85%, i.e. 1176 atoms were assigned a chemical shift out of a possible 1391. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	484/502 (96%)	197/204 (97%)	191/200 (96%)	96/98 (98%)
Sidechain	660/837 (79%)	445/547 (81%)	207/259 (80%)	8/31 (26%)

Continued on next page...

Continued from previous page...

	Total	¹ H	¹³ C	¹⁵ N
Aromatic	32/52 (62%)	18/26 (69%)	13/25 (52%)	1/1 (100%)
Overall	1176/1391 (85%)	660/777 (85%)	411/484 (85%)	105/130 (81%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 80%, i.e. 1336 atoms were assigned a chemical shift out of a possible 1670. 0 out of 22 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	550/594 (93%)	227/241 (94%)	214/238 (90%)	109/115 (95%)
Sidechain	727/986 (74%)	490/643 (76%)	228/303 (75%)	9/40 (22%)
Aromatic	59/90 (66%)	33/45 (73%)	24/42 (57%)	2/3 (67%)
Overall	1336/1670 (80%)	750/929 (81%)	466/583 (80%)	120/158 (76%)

7.1.4 Statistically unusual chemical shifts [i](#)

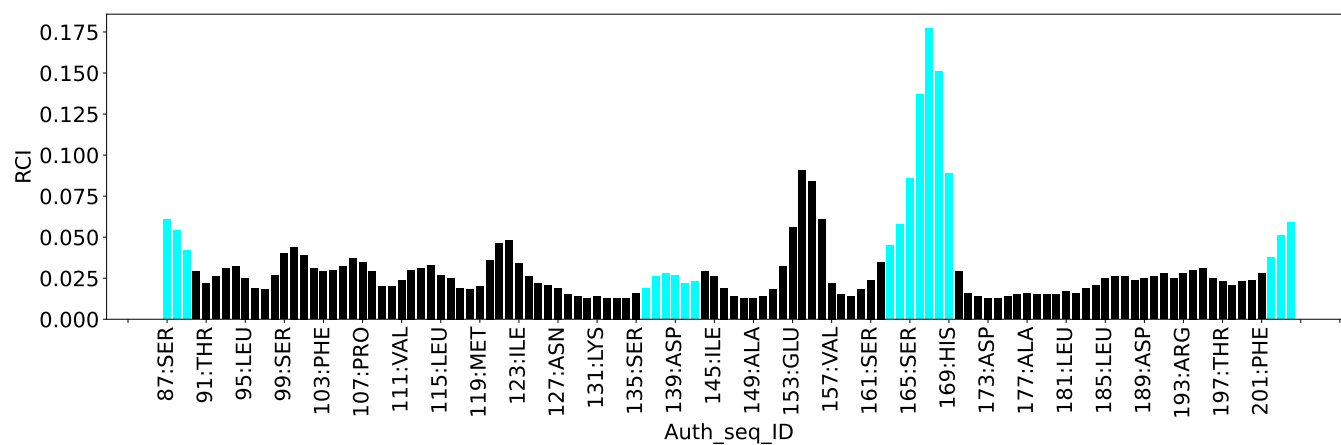
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	156	ILE	HG21	-0.72	-0.56 – 2.11	-5.6
1	A	156	ILE	HG22	-0.72	-0.56 – 2.11	-5.6
1	A	156	ILE	HG23	-0.72	-0.56 – 2.11	-5.6

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

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	1814
Intra-residue ($ i-j =0$)	385
Sequential ($ i-j =1$)	551
Medium range ($ i-j >1$ and $ i-j <5$)	303
Long range ($ i-j \geq 5$)	575
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	162
Number of unmapped restraints	0
Number of restraints per residue	8.6
Number of long range restraints per residue ¹	2.5

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	83.5	0.2
0.2-0.5 (Medium)	180.8	0.5
>0.5 (Large)	311.3	8.57

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)	14.9	9.98
10.0-20.0 (Medium)	5.2	19.84
>20.0 (Large)	1.5	48.83

9 Distance violation analysis ⓘ

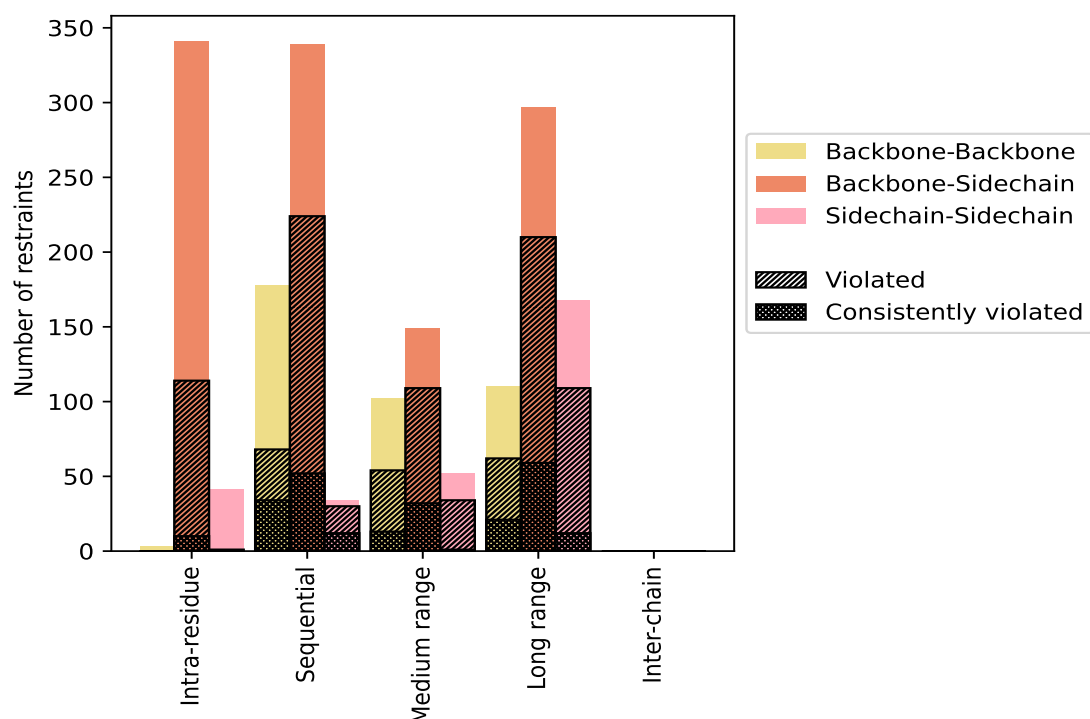
9.1 Summary of distance violations ⓘ

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

Restraints type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	385	21.2	115	29.9	6.3	10	2.6	0.6
Backbone-Backbone	3	0.2	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	341	18.8	114	33.4	6.3	10	2.9	0.6
Sidechain-Sidechain	41	2.3	1	2.4	0.1	0	0.0	0.0
Sequential (i-j =1)	551	30.4	322	58.4	17.8	98	17.8	5.4
Backbone-Backbone	178	9.8	68	38.2	3.7	34	19.1	1.9
Backbone-Sidechain	339	18.7	224	66.1	12.3	52	15.3	2.9
Sidechain-Sidechain	34	1.9	30	88.2	1.7	12	35.3	0.7
Medium range (i-j >1 & i-j <5)	303	16.7	197	65.0	10.9	46	15.2	2.5
Backbone-Backbone	102	5.6	54	52.9	3.0	13	12.7	0.7
Backbone-Sidechain	149	8.2	109	73.2	6.0	32	21.5	1.8
Sidechain-Sidechain	52	2.9	34	65.4	1.9	1	1.9	0.1
Long range (i-j ≥5)	575	31.7	381	66.3	21.0	92	16.0	5.1
Backbone-Backbone	110	6.1	62	56.4	3.4	21	19.1	1.2
Backbone-Sidechain	297	16.4	210	70.7	11.6	59	19.9	3.3
Sidechain-Sidechain	168	9.3	109	64.9	6.0	12	7.1	0.7
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	1814	100.0	1015	56.0	56.0	246	13.6	13.6
Backbone-Backbone	393	21.7	184	46.8	10.1	68	17.3	3.7
Backbone-Sidechain	1126	62.1	657	58.3	36.2	153	13.6	8.4
Sidechain-Sidechain	295	16.3	174	59.0	9.6	25	8.5	1.4

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

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



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

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

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	51	196	120	193	0	560	0.76	3.99	0.64	0.54
2	48	202	117	197	0	564	0.8	3.9	0.69	0.6
3	49	207	121	185	0	562	0.81	4.39	0.73	0.58
4	54	214	119	215	0	602	0.78	3.78	0.66	0.56
5	51	203	114	205	0	573	0.8	4.76	0.74	0.58
6	51	202	115	204	0	572	0.75	3.34	0.64	0.55
7	53	198	125	225	0	601	0.86	7.39	0.96	0.57
8	47	214	117	195	0	573	0.77	4.28	0.7	0.53
9	53	186	113	236	0	588	0.89	7.61	0.99	0.57
10	51	191	117	199	0	558	0.78	3.93	0.68	0.58

Continued on next page...

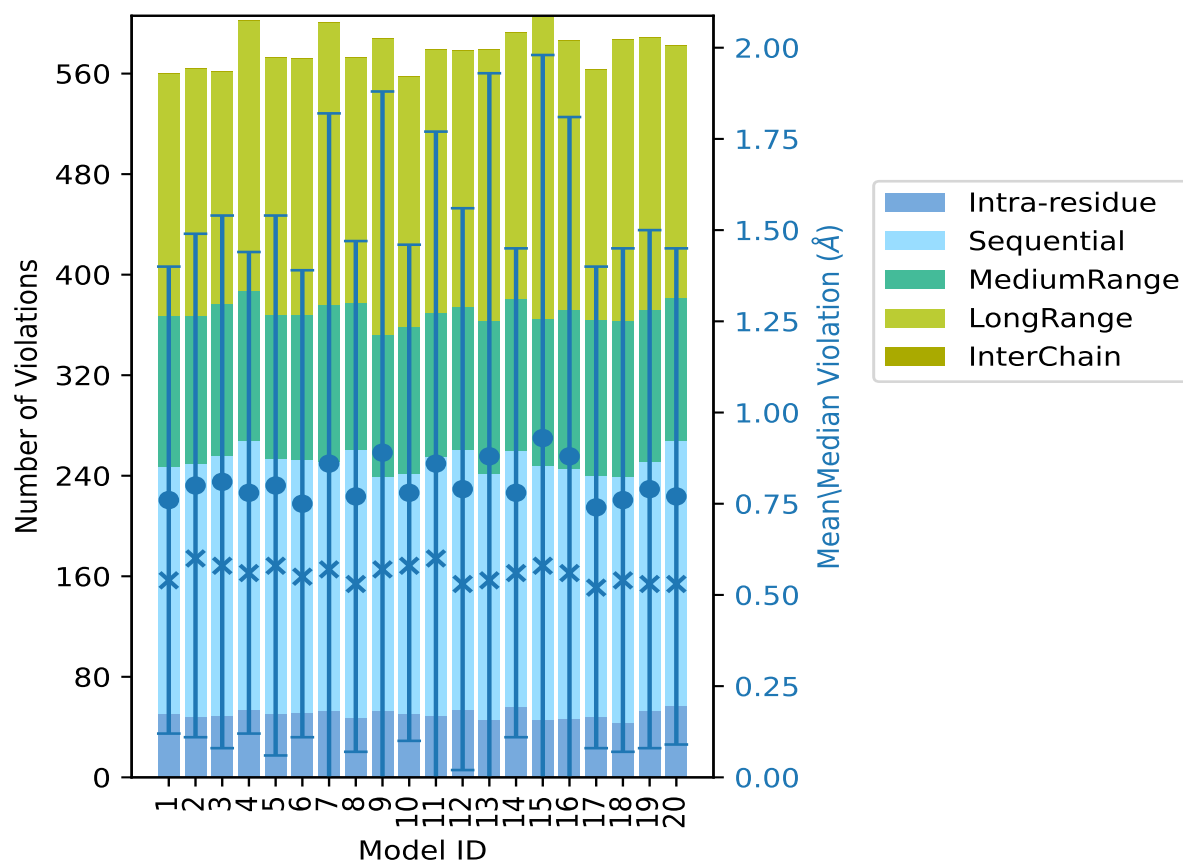
Continued from previous page...

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	49	206	115	209	0	579	0.86	7.26	0.91	0.6
12	54	207	114	203	0	578	0.79	6.25	0.77	0.53
13	46	196	121	216	0	579	0.88	8.57	1.05	0.54
14	56	204	121	212	0	593	0.78	3.84	0.67	0.56
15	46	202	117	241	0	606	0.93	7.89	1.05	0.58
16	47	199	126	214	0	586	0.88	6.72	0.93	0.56
17	48	192	124	199	0	563	0.74	4.0	0.66	0.52
18	44	195	124	224	0	587	0.76	4.18	0.69	0.54
19	53	198	121	217	0	589	0.79	4.08	0.71	0.53
20	57	211	114	200	0	582	0.77	3.97	0.68	0.53

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

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



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

9.3 Distance violation statistics for the ensemble

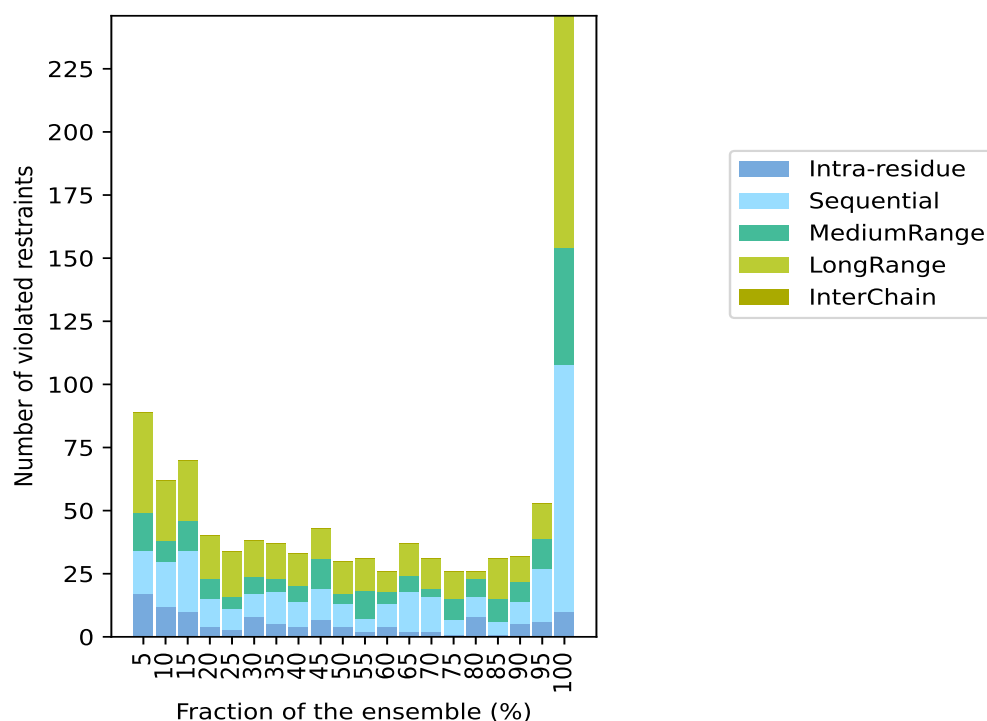
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 799(IR:270, SQ:229, MR:106, LR:194, IC:0) restraints are 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	%
17	17	15	40	0	89	1	5.0
12	18	8	24	0	62	2	10.0
10	24	12	24	0	70	3	15.0
4	11	8	17	0	40	4	20.0
3	8	5	18	0	34	5	25.0
8	9	7	14	0	38	6	30.0
5	13	5	14	0	37	7	35.0
4	10	6	13	0	33	8	40.0
7	12	12	12	0	43	9	45.0
4	9	4	13	0	30	10	50.0
2	5	11	13	0	31	11	55.0
4	9	5	8	0	26	12	60.0
2	16	6	13	0	37	13	65.0
2	14	3	12	0	31	14	70.0
1	6	8	11	0	26	15	75.0
8	8	7	3	0	26	16	80.0
1	5	9	16	0	31	17	85.0
5	9	8	10	0	32	18	90.0
6	21	12	14	0	53	19	95.0
10	98	46	92	0	246	20	100.0

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

⁵Inter-chain restraints, ⁶ Number of models with violations

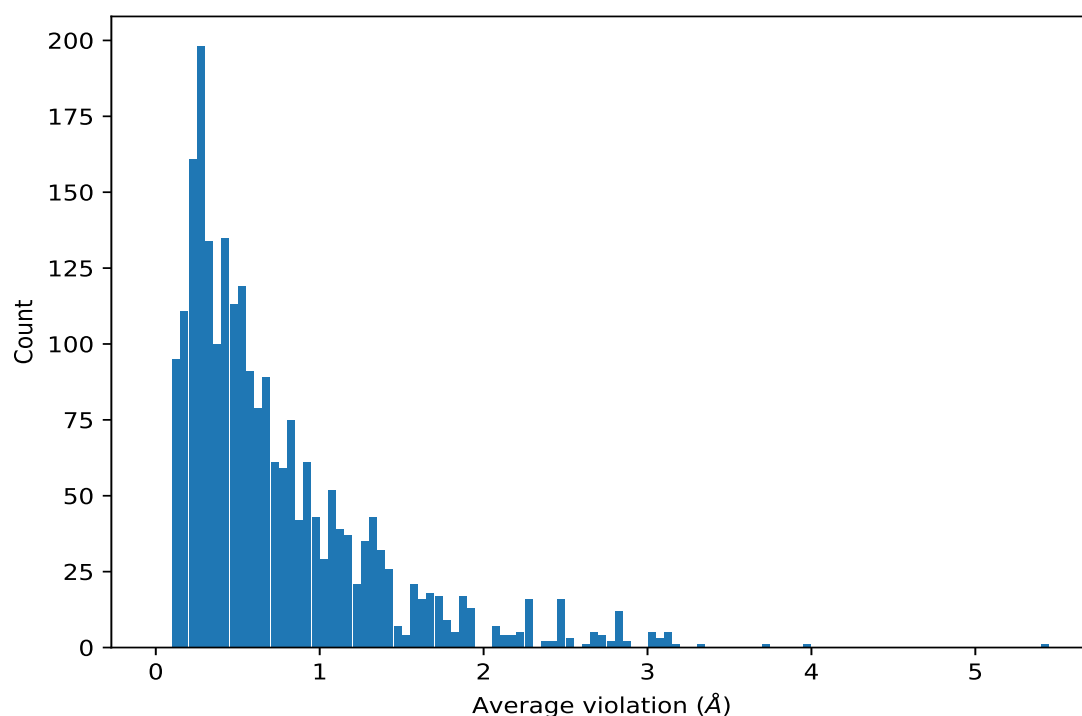
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	20	3.96	0.3	4.04
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	20	3.33	2.8	1.9
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	20	3.19	0.33	3.23
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	20	3.14	0.98	3.56
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	20	3.12	0.22	3.14
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	20	3.06	0.58	2.92
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	20	3.06	0.58	2.92
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	20	3.06	0.58	2.92
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	20	3.04	0.62	2.84
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	20	3.04	0.62	2.84
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	20	3.04	0.62	2.84
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	20	2.87	0.5	2.82
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	20	2.81	0.41	2.72
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	20	2.81	0.41	2.72
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	20	2.81	0.41	2.72
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	20	2.81	0.96	2.84

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	20	2.81	0.96	2.84
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	20	2.81	0.96	2.84
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	20	2.75	0.29	2.8
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	20	2.7	2.34	1.45
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	20	2.68	0.66	2.95
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	20	2.66	0.6	2.48
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	20	2.66	0.6	2.48
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	20	2.66	0.6	2.48
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	20	2.53	1.23	2.76
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	20	2.53	1.23	2.76
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	20	2.46	0.69	2.34
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	20	2.46	0.69	2.34
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	20	2.46	0.69	2.34
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	20	2.45	0.32	2.58
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	20	2.45	0.32	2.58
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	20	2.45	0.32	2.58
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	20	2.45	0.32	2.58
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	20	2.45	0.32	2.58
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	20	2.45	0.32	2.58
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	20	2.45	0.32	2.58
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	20	2.45	0.32	2.58
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	20	2.45	0.32	2.58
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	20	2.45	0.32	2.58
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	20	2.45	0.32	2.58
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	20	2.45	0.32	2.58
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	20	2.3	0.84	1.98
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	20	2.3	0.46	2.21
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	20	2.29	0.21	2.3
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	20	2.28	0.96	1.69
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	20	2.27	0.21	2.3
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	20	2.27	0.21	2.3
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	20	2.27	0.21	2.3
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	20	2.27	0.21	2.3
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	20	2.27	0.21	2.3
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	20	2.27	0.21	2.3
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	20	2.27	0.21	2.3
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	20	2.27	0.21	2.3
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	20	2.27	0.21	2.3
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	20	2.27	0.21	2.3
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	20	2.27	0.21	2.3
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	20	2.27	0.21	2.3
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	20	2.24	0.85	1.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	20	2.23	0.32	2.34
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	20	2.23	0.32	2.34
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	20	2.23	0.32	2.34
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	20	2.2	0.97	1.96
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	20	2.15	0.49	2.32
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	20	2.15	0.49	2.32
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	20	2.14	0.2	2.14
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	20	2.07	0.1	2.07
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	20	2.07	0.1	2.07
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	20	2.07	0.1	2.07
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	20	2.06	1.11	1.62
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	20	2.06	1.11	1.62
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	20	2.06	1.11	1.62
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	20	1.95	0.43	2.02
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	20	1.95	0.43	2.02
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	20	1.95	0.43	2.02
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	20	1.91	0.23	1.84
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	20	1.91	0.23	1.84
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	20	1.91	0.23	1.84
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	20	1.86	0.19	1.91
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	20	1.86	0.19	1.91
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	20	1.86	0.11	1.86
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	20	1.84	0.07	1.84
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	20	1.84	0.07	1.84
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	20	1.84	0.07	1.84
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	20	1.77	0.39	1.9
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	20	1.77	0.39	1.9
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	20	1.76	0.19	1.82
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	20	1.76	0.19	1.82
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	20	1.76	0.19	1.82
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	20	1.75	0.49	1.68
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	20	1.75	0.49	1.68
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	20	1.75	0.49	1.68
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	20	1.71	0.49	1.82
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	20	1.71	0.49	1.82
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	20	1.71	0.49	1.82
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	20	1.71	0.49	1.82
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	20	1.71	0.49	1.82
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	20	1.71	0.49	1.82
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	20	1.66	0.7	1.98
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	20	1.66	0.7	1.98
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	20	1.66	0.7	1.98

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	20	1.66	0.49	1.54
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	20	1.66	0.49	1.54
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	20	1.66	0.49	1.54
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	20	1.62	0.26	1.65
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	20	1.62	0.26	1.65
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	20	1.62	0.26	1.65
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	20	1.62	0.26	1.65
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	20	1.62	0.26	1.65
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	20	1.62	0.26	1.65
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	20	1.61	0.07	1.59
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	20	1.61	0.07	1.59
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	20	1.61	0.07	1.59
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	20	1.61	0.37	1.67
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	20	1.61	0.37	1.67
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	20	1.61	0.37	1.67
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	20	1.61	0.16	1.61
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	20	1.57	0.39	1.76
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	20	1.56	0.17	1.58
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	20	1.56	0.17	1.58
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	20	1.56	0.17	1.58
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	20	1.56	0.17	1.58
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	20	1.56	0.17	1.58
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	20	1.56	0.17	1.58
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	20	1.55	0.11	1.55
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	20	1.55	0.31	1.58
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	20	1.53	0.22	1.52
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	20	1.46	0.23	1.42
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	20	1.45	0.18	1.44
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	20	1.45	0.22	1.5
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	20	1.45	0.22	1.5
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	20	1.45	0.22	1.5
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	20	1.45	0.22	1.5
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	20	1.45	0.22	1.5
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	20	1.45	0.22	1.5
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	20	1.45	0.84	1.32
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	20	1.45	0.84	1.32
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	20	1.45	0.84	1.32
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	20	1.45	0.84	1.32
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	20	1.45	0.84	1.32
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	20	1.45	0.84	1.32
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	20	1.45	0.84	1.32
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	20	1.45	0.84	1.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	20	1.45	0.84	1.32
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	20	1.45	0.84	1.32
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	20	1.45	0.84	1.32
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	20	1.45	0.84	1.32
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	20	1.43	0.64	1.78
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	20	1.43	0.64	1.78
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	20	1.41	0.82	1.2
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	20	1.4	0.25	1.44
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	20	1.37	0.43	1.47
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	20	1.37	0.43	1.47
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	20	1.37	0.43	1.47
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	20	1.37	1.02	1.03
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	20	1.35	0.52	1.32
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	20	1.35	0.52	1.32
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	20	1.35	0.52	1.32
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	20	1.35	0.52	1.32
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	20	1.35	0.52	1.32
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	20	1.35	0.52	1.32
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	20	1.34	0.21	1.41
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	20	1.32	0.25	1.31
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	20	1.32	0.25	1.31
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	20	1.32	0.25	1.31
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	20	1.32	0.25	1.31
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	20	1.32	0.25	1.31
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	20	1.32	0.25	1.31
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	20	1.32	0.32	1.34
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	20	1.32	0.25	1.34
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	20	1.32	0.25	1.34
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	20	1.32	0.25	1.34
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	20	1.31	0.86	1.85
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	20	1.31	0.86	1.85
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	20	1.31	0.86	1.85
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	20	1.31	0.86	1.85
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	20	1.31	0.86	1.85
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	20	1.31	0.86	1.85
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	20	1.31	0.86	1.85
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	20	1.31	0.86	1.85
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	20	1.31	0.86	1.85
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	20	1.31	0.18	1.26
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	20	1.31	0.49	1.2
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	20	1.31	0.49	1.2
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	20	1.27	0.14	1.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	20	1.26	0.11	1.31
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	20	1.26	0.11	1.31
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	20	1.26	0.11	1.31
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	20	1.26	0.11	1.31
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	20	1.26	0.11	1.31
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	20	1.26	0.11	1.31
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	20	1.26	0.11	1.31
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	20	1.26	0.11	1.31
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	20	1.26	0.11	1.31
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	20	1.26	0.17	1.28
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	20	1.26	0.17	1.28
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	20	1.26	0.17	1.28
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	20	1.26	0.17	1.28
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	20	1.26	0.17	1.28
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	20	1.26	0.17	1.28
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	20	1.25	0.35	1.31
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	20	1.25	0.35	1.31
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	20	1.23	0.46	1.44
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	20	1.23	0.46	1.44
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	20	1.2	0.17	1.22
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	20	1.2	0.17	1.22
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	20	1.19	0.25	1.26
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	20	1.19	0.25	1.26
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	20	1.18	0.33	1.19
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	20	1.18	0.33	1.19
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	20	1.18	0.33	1.19
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	20	1.18	0.33	1.19
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	20	1.18	0.33	1.19
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	20	1.18	0.33	1.19
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	20	1.18	0.14	1.15
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	20	1.18	0.14	1.15
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	20	1.18	0.14	1.15
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	20	1.18	0.14	1.15
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	20	1.18	0.14	1.15
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	20	1.18	0.14	1.15
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	20	1.16	0.08	1.16
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	20	1.16	0.08	1.16
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	20	1.15	0.18	1.1
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	20	1.14	0.28	1.13
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	20	1.12	0.69	1.6
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	20	1.12	0.69	1.6
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	20	1.12	0.69	1.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	20	1.11	0.09	1.14
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	20	1.11	0.09	1.14
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	20	1.11	0.09	1.14
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	20	1.11	0.21	1.12
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	20	1.11	0.21	1.12
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	20	1.11	0.21	1.12
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	20	1.11	0.43	0.94
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	20	1.11	0.24	1.2
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	20	1.11	0.43	1.18
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	20	1.11	0.43	1.18
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	20	1.11	0.43	1.18
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	20	1.11	0.43	1.18
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	20	1.11	0.43	1.18
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	20	1.11	0.43	1.18
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	20	1.08	0.15	1.06
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	20	1.07	0.49	0.77
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	20	1.07	0.39	1.24
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	20	1.07	0.39	1.24
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	20	1.07	0.39	1.24
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	20	1.07	0.39	1.24
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	20	1.07	0.39	1.24
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	20	1.07	0.39	1.24
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	20	1.07	0.24	1.16
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	20	1.05	0.08	1.03
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	20	1.05	0.08	1.03
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	20	1.05	0.08	1.03
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	20	1.05	0.25	1.08
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	20	1.05	0.25	1.08
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	20	1.05	0.25	1.08
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	20	1.05	0.21	1.06
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	20	1.05	0.21	1.06
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	20	1.03	0.06	1.02
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	20	1.03	0.28	1.07
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	20	1.03	0.19	1.02
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	20	1.03	0.4	0.86
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	20	1.03	0.4	0.86
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	20	1.03	0.4	0.86
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	20	1.02	0.36	1.02
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	20	1.01	0.13	0.98
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	20	1.01	0.08	1.02
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	20	1.01	0.2	1.0
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	20	1.0	0.22	1.02

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	20	0.99	0.12	1.01
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	20	0.98	0.31	1.06
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	20	0.98	0.31	1.06
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	20	0.98	0.31	1.06
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	20	0.98	0.08	0.98
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	20	0.98	0.08	0.98
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	20	0.98	0.08	0.98
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	20	0.98	0.18	1.0
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	20	0.97	0.12	0.96
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	20	0.96	0.03	0.96
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	20	0.96	0.17	0.96
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	20	0.96	0.17	0.96
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	20	0.96	0.17	0.96
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	20	0.94	0.09	0.94
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	20	0.94	0.16	0.91
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	20	0.94	0.38	0.9
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	20	0.93	0.12	0.97
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	20	0.93	0.12	0.97
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	20	0.93	0.12	0.97
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	20	0.92	0.33	0.9
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	20	0.92	0.33	0.9
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	20	0.92	0.33	0.9
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	20	0.92	0.33	0.9
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	20	0.92	0.33	0.9
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	20	0.92	0.33	0.9
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	20	0.9	0.1	0.9
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	20	0.87	0.07	0.88
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	20	0.87	0.07	0.88
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	20	0.87	0.07	0.88
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	20	0.87	0.07	0.88
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	20	0.87	0.2	0.84
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	20	0.86	0.13	0.86
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	20	0.86	0.29	0.82
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	20	0.86	0.29	0.82
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	20	0.86	0.29	0.82
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	20	0.86	0.29	0.82
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	20	0.86	0.29	0.82
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	20	0.86	0.29	0.82
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	20	0.86	0.18	0.86
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	20	0.85	0.06	0.85
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	20	0.84	0.13	0.81
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	20	0.84	0.09	0.85

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	20	0.84	0.06	0.84
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	20	0.83	0.34	0.78
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	20	0.83	0.34	0.78
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	20	0.83	0.34	0.78
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	20	0.82	0.23	0.83
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	20	0.82	0.23	0.83
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	20	0.81	0.03	0.81
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	20	0.8	0.08	0.82
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	20	0.8	0.19	0.81
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	20	0.8	0.04	0.8
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	20	0.78	0.3	0.77
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	20	0.78	0.3	0.77
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	20	0.78	0.3	0.77
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	20	0.78	0.04	0.78
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	20	0.76	0.06	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	20	0.76	0.2	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	20	0.76	0.2	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	20	0.76	0.2	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	20	0.76	0.2	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	20	0.76	0.2	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	20	0.76	0.2	0.76
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	20	0.76	0.11	0.77
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	20	0.76	0.11	0.77
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	20	0.76	0.11	0.77
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	20	0.75	0.2	0.79
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	20	0.75	0.04	0.76
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	20	0.74	0.04	0.76
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	20	0.74	0.04	0.76
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	20	0.74	0.04	0.76
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	20	0.74	0.15	0.74
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	20	0.74	0.15	0.74
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	20	0.74	0.15	0.74
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	20	0.74	0.15	0.74
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	20	0.74	0.15	0.74
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	20	0.74	0.15	0.74
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	20	0.73	0.15	0.72
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	20	0.72	0.11	0.75
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	20	0.72	0.11	0.75
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	20	0.72	0.11	0.75
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	20	0.72	0.24	0.7
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	20	0.72	0.47	0.55
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	20	0.72	0.47	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	20	0.72	0.47	0.55
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	20	0.72	0.14	0.76
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	20	0.72	0.18	0.74
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	20	0.7	0.15	0.68
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	20	0.7	0.15	0.68
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	20	0.7	0.15	0.68
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	20	0.7	0.22	0.7
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	20	0.7	0.22	0.7
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	20	0.68	0.14	0.68
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	20	0.68	0.42	0.5
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	20	0.68	0.42	0.5
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	20	0.68	0.42	0.5
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	20	0.68	0.17	0.76
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	20	0.68	0.17	0.76
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	20	0.67	0.2	0.66
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	20	0.67	0.2	0.66
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	20	0.67	0.15	0.66
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	20	0.67	0.3	0.76
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	20	0.67	0.09	0.66
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	20	0.66	0.08	0.68
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	20	0.64	0.26	0.67
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	20	0.64	0.07	0.62
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	20	0.63	0.07	0.63
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	20	0.63	0.07	0.63
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	20	0.63	0.23	0.7
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	20	0.63	0.23	0.7
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	20	0.62	0.1	0.62
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	20	0.62	0.1	0.62
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	20	0.61	0.16	0.59
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	20	0.61	0.16	0.59
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	20	0.61	0.16	0.59
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	20	0.61	0.16	0.59
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	20	0.61	0.16	0.59
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	20	0.61	0.16	0.59
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	20	0.61	0.05	0.62
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	20	0.61	0.2	0.61
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	20	0.61	0.19	0.57
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	20	0.61	0.19	0.57
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	20	0.6	0.02	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	20	0.6	0.02	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	20	0.6	0.02	0.6
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	20	0.6	0.09	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	20	0.6	0.15	0.61
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	20	0.59	0.16	0.66
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	20	0.59	0.13	0.62
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	20	0.59	0.13	0.62
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	20	0.59	0.13	0.62
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	20	0.56	0.18	0.58
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	20	0.56	0.16	0.53
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	20	0.55	0.21	0.5
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	20	0.55	0.21	0.5
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	20	0.54	0.04	0.55
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	20	0.54	0.19	0.46
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	20	0.54	0.05	0.55
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	20	0.53	0.15	0.52
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	20	0.53	0.15	0.52
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	20	0.53	0.15	0.51
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	20	0.53	0.15	0.51
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	20	0.52	0.08	0.52
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	20	0.52	0.27	0.6
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	20	0.52	0.08	0.52
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	20	0.52	0.08	0.52
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	20	0.52	0.08	0.52
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	20	0.52	0.1	0.56
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	20	0.52	0.1	0.56
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	20	0.52	0.1	0.56
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	20	0.52	0.17	0.5
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	20	0.52	0.04	0.52
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	20	0.51	0.15	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	20	0.51	0.02	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	20	0.51	0.02	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	20	0.51	0.02	0.5
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	20	0.5	0.11	0.51
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	20	0.5	0.11	0.51
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	20	0.49	0.25	0.44
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	20	0.48	0.04	0.48
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	20	0.47	0.13	0.46
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	20	0.47	0.19	0.42
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	20	0.47	0.13	0.46
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	20	0.47	0.13	0.46
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	20	0.46	0.1	0.44
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	20	0.46	0.1	0.44
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	20	0.46	0.1	0.44
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	20	0.46	0.1	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	20	0.46	0.1	0.44
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	20	0.46	0.1	0.44
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	20	0.45	0.07	0.45
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	20	0.45	0.07	0.45
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	20	0.45	0.2	0.4
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	20	0.45	0.15	0.46
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	20	0.45	0.15	0.46
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	20	0.45	0.15	0.46
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	20	0.44	0.03	0.44
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	20	0.44	0.03	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	20	0.44	0.03	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	20	0.44	0.03	0.43
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	20	0.43	0.04	0.44
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	20	0.43	0.06	0.44
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	20	0.43	0.11	0.46
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	20	0.43	0.11	0.46
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	20	0.42	0.17	0.42
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	20	0.42	0.17	0.42
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	20	0.42	0.17	0.42
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	20	0.42	0.17	0.42
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	20	0.42	0.17	0.42
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	20	0.42	0.17	0.42
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	20	0.41	0.07	0.41
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	20	0.41	0.08	0.38
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	20	0.41	0.08	0.38
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	20	0.41	0.07	0.38
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	20	0.41	0.07	0.38
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	20	0.41	0.1	0.4
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	20	0.4	0.07	0.43
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	20	0.4	0.07	0.43
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	20	0.4	0.18	0.38
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	20	0.4	0.09	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	20	0.4	0.09	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	20	0.4	0.09	0.42
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	20	0.4	0.06	0.43
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	20	0.4	0.17	0.38
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	20	0.39	0.38	0.24
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	20	0.39	0.13	0.36
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	20	0.39	0.13	0.36
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	20	0.39	0.13	0.36
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	20	0.39	0.16	0.38
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	20	0.38	0.12	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	20	0.37	0.08	0.37
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	20	0.37	0.08	0.37
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	20	0.37	0.02	0.36
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	20	0.37	0.02	0.36
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	20	0.37	0.02	0.36
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	20	0.37	0.07	0.34
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	20	0.36	0.08	0.38
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	20	0.36	0.05	0.37
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	20	0.36	0.05	0.37
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	20	0.36	0.05	0.37
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	20	0.36	0.1	0.37
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	20	0.34	0.03	0.34
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	20	0.34	0.09	0.34
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	20	0.34	0.09	0.34
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	20	0.33	0.03	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	20	0.33	0.03	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	20	0.33	0.03	0.33
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	20	0.33	0.03	0.32
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	20	0.32	0.11	0.32
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	20	0.32	0.13	0.34
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	20	0.3	0.05	0.3
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	20	0.3	0.05	0.3
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	20	0.29	0.1	0.29
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	20	0.29	0.1	0.29
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	20	0.29	0.1	0.29
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	20	0.29	0.1	0.29
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	20	0.29	0.1	0.29
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	20	0.29	0.1	0.29
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	20	0.29	0.1	0.27
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	20	0.29	0.1	0.27
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	20	0.29	0.1	0.27
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	20	0.29	0.02	0.3
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	20	0.28	0.07	0.25
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	20	0.27	0.07	0.25
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	20	0.27	0.08	0.27
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	20	0.26	0.05	0.26
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	20	0.25	0.09	0.22
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	20	0.25	0.02	0.25
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	20	0.23	0.06	0.22
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	20	0.23	0.06	0.22
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	20	0.23	0.06	0.22
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	20	0.23	0.06	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	20	0.23	0.06	0.22
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	20	0.23	0.06	0.22
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	20	0.22	0.03	0.22
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	20	0.21	0.07	0.19
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	20	0.2	0.05	0.2
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	20	0.19	0.04	0.19
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	20	0.17	0.02	0.17
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	20	0.17	0.05	0.15
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	20	0.15	0.02	0.15
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	20	0.15	0.02	0.15
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	20	0.15	0.02	0.15
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	20	0.13	0.02	0.12
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	19	2.9	2.1	2.37
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	19	2.64	0.64	2.69
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	19	1.86	1.14	1.49
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	19	1.86	1.14	1.49
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	19	1.86	1.14	1.49
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	19	1.86	1.14	1.49
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	19	1.86	1.14	1.49
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	19	1.86	1.14	1.49
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	19	1.67	0.6	1.74
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	19	1.67	0.6	1.74
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	19	1.67	0.6	1.74
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	19	1.67	0.6	1.74
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	19	1.67	0.6	1.74
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	19	1.67	0.6	1.74
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	19	1.56	0.76	1.26
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	19	1.56	0.76	1.26
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	19	1.56	0.76	1.26
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	19	1.49	0.48	1.42
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	19	1.46	0.93	1.18
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	19	1.46	0.93	1.18
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	19	1.45	0.17	1.39
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	19	1.45	0.17	1.39
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	19	1.38	0.47	1.54
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	19	1.38	0.47	1.54
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	19	1.38	0.47	1.54
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	19	1.3	0.22	1.29
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	19	1.25	0.36	1.21
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	19	1.2	0.39	1.13
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	19	1.2	0.39	1.13
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	19	1.18	0.6	1.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	19	1.18	0.6	1.22
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	19	1.18	0.6	1.22
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	19	0.98	1.12	0.45
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	19	0.98	1.12	0.45
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	19	0.97	0.19	0.92
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	19	0.97	0.19	0.92
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	19	0.88	0.32	1.01
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	19	0.88	0.32	1.01
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	19	0.88	0.32	1.01
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	19	0.88	0.32	1.01
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	19	0.84	0.27	0.85
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	19	0.84	0.27	0.85
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	19	0.76	0.39	0.62
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	19	0.76	0.39	0.62
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	19	0.74	0.26	0.73
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	19	0.74	0.26	0.73
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	19	0.74	0.26	0.73
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	19	0.74	0.26	0.73
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	19	0.71	0.39	0.95
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	19	0.71	0.39	0.95
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	19	0.71	0.39	0.95
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	19	0.68	0.34	0.72
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	19	0.68	0.34	0.72
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	19	0.65	0.25	0.65
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	19	0.62	0.28	0.61
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	19	0.6	0.36	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	19	0.6	0.36	0.36
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	19	0.6	0.36	0.36
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	19	0.6	0.36	0.36
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	19	0.59	0.33	0.57
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	19	0.59	0.33	0.57
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	19	0.59	0.33	0.57
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	19	0.58	0.17	0.58
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	19	0.55	0.11	0.57
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	19	0.55	0.11	0.57
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	19	0.55	0.11	0.57
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	19	0.53	0.3	0.48
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	19	0.53	0.3	0.48
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	19	0.51	0.06	0.51
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	19	0.5	0.39	0.39
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	19	0.5	0.39	0.39
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	19	0.49	0.11	0.49
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	19	0.49	0.11	0.49
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	19	0.49	0.11	0.49
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	19	0.49	0.21	0.51
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	19	0.48	0.15	0.49
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	19	0.48	0.14	0.46
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	19	0.48	0.14	0.46
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	19	0.45	0.22	0.44
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	19	0.45	0.18	0.47
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	19	0.45	0.18	0.47
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	19	0.42	0.07	0.42
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	19	0.35	0.05	0.35
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	19	0.33	0.03	0.34
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	19	0.31	0.07	0.32
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	19	0.31	0.07	0.32
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	19	0.31	0.07	0.32
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	19	0.31	0.1	0.3
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	19	0.29	0.06	0.3
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	19	0.28	0.08	0.25
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	19	0.27	0.18	0.17
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	19	0.27	0.06	0.28
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	19	0.26	0.16	0.2
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	19	0.25	0.09	0.24
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	19	0.25	0.09	0.24
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	19	0.25	0.09	0.24
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	19	0.24	0.06	0.24
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	19	0.24	0.06	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	19	0.22	0.05	0.22
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	19	0.19	0.05	0.2
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	19	0.19	0.05	0.2
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	19	0.17	0.03	0.17
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	19	0.17	0.03	0.17
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	19	0.17	0.03	0.17
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	19	0.16	0.04	0.15
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	19	0.16	0.04	0.15
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	19	0.15	0.02	0.16
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	18	2.68	2.69	1.01
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	18	1.94	0.29	2.04
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	18	1.73	0.1	1.72
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	18	1.73	0.1	1.72
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	18	1.73	0.1	1.72
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	18	1.71	1.11	1.33
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	18	1.71	1.11	1.33
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	18	1.71	1.11	1.33
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	18	1.32	0.32	1.4
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	18	1.32	0.32	1.4
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	18	1.2	0.51	1.04
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	18	1.2	0.51	1.04
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	18	1.2	0.51	1.04
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	18	1.2	0.51	1.04
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	18	1.2	0.51	1.04
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	18	1.2	0.51	1.04
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	18	1.05	0.45	1.15
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	18	0.99	0.76	0.78
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	18	0.99	0.76	0.78
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	18	0.99	0.76	0.78
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	18	0.94	0.39	0.9
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	18	0.94	0.39	0.9
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	18	0.94	0.39	0.9
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	18	0.94	0.39	0.9
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	18	0.91	0.2	0.9
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	18	0.91	0.2	0.9
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	18	0.91	0.2	0.9
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	18	0.86	0.86	0.64
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	18	0.86	0.86	0.64
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	18	0.86	0.86	0.64
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	18	0.86	0.86	0.64
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	18	0.85	0.46	0.92
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	18	0.85	0.46	0.92

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	18	0.85	0.46	0.92
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	18	0.85	0.46	0.92
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	18	0.85	0.46	0.92
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	18	0.85	0.46	0.92
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	18	0.76	0.7	0.46
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	18	0.76	0.7	0.46
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	18	0.68	0.64	0.48
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	18	0.68	0.64	0.48
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	18	0.68	0.64	0.48
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	18	0.67	0.26	0.6
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	18	0.67	0.26	0.6
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	18	0.67	0.26	0.6
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	18	0.67	0.24	0.72
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	18	0.55	0.45	0.46
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	18	0.55	0.45	0.46
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	18	0.54	0.24	0.51
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	18	0.54	0.24	0.51
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	18	0.54	0.24	0.51
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	18	0.54	0.24	0.51
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	18	0.54	0.24	0.51
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	18	0.54	0.24	0.51
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	18	0.52	0.31	0.5
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	18	0.52	0.31	0.5
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	18	0.5	0.27	0.46
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	18	0.46	0.03	0.47
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	18	0.46	0.03	0.47
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	18	0.46	0.03	0.47
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	18	0.42	0.18	0.36
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	18	0.42	0.18	0.36
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	18	0.42	0.18	0.36
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	18	0.38	0.09	0.4
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	18	0.38	0.09	0.4
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	18	0.38	0.09	0.4
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	18	0.36	0.18	0.34
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	18	0.36	0.27	0.2
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	18	0.31	0.12	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	18	0.31	0.12	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	18	0.31	0.12	0.31
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	18	0.27	0.09	0.25
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	18	0.27	0.09	0.25
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	18	0.25	0.11	0.22
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	18	0.24	0.08	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	18	0.24	0.08	0.24
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	18	0.19	0.03	0.18
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	18	0.16	0.02	0.16
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	17	2.77	2.54	1.38
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	17	2.1	1.68	2.15
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	17	2.1	1.68	2.15
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	17	2.1	1.68	2.15
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	17	1.94	0.85	2.19
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	17	1.94	0.85	2.19
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	17	1.94	0.85	2.19
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	17	1.94	0.85	2.19
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	17	1.74	1.37	2.35
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	17	1.51	0.65	1.65
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	17	1.51	0.65	1.65
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	17	1.37	0.73	1.47
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	17	1.37	0.73	1.47
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	17	1.37	0.73	1.47
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	17	1.37	0.73	1.47
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	17	1.37	0.73	1.47
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	17	1.37	0.73	1.47
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	17	1.32	0.49	1.51
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	17	1.27	0.7	1.17
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	17	1.27	0.7	1.17
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	17	1.27	0.7	1.17
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	17	1.18	0.86	0.66
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	17	1.18	0.16	1.12
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	17	1.18	0.16	1.12
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	17	1.18	0.16	1.12
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	17	1.05	0.16	1.04
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	17	1.05	0.16	1.04
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	17	1.05	0.16	1.04
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	17	1.02	0.26	1.13
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	17	1.02	0.26	1.13
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	17	1.02	0.26	1.13
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	17	1.02	0.26	1.13
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	17	1.02	0.26	1.13
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	17	1.02	0.26	1.13
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	17	1.0	0.72	0.76
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	17	1.0	0.72	0.76
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	17	1.0	0.72	0.76
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	17	0.92	0.32	0.88
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	17	0.92	0.32	0.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	17	0.92	0.32	0.88
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	17	0.88	0.1	0.89
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	17	0.88	0.1	0.89
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	17	0.88	0.1	0.89
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	17	0.88	0.1	0.89
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	17	0.88	0.1	0.89
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	17	0.88	0.1	0.89
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	17	0.79	0.21	0.81
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	17	0.79	0.21	0.81
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	17	0.78	0.32	0.69
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	17	0.78	0.32	0.69
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	17	0.71	0.38	0.74
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	17	0.62	0.41	0.46
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	17	0.62	0.41	0.46
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	17	0.62	0.41	0.46
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	17	0.57	0.26	0.5
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	17	0.57	0.26	0.5
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	17	0.57	0.28	0.49
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	17	0.53	0.34	0.44
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	17	0.53	0.34	0.44
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	17	0.47	0.28	0.5
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	17	0.47	0.28	0.5
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	17	0.46	0.26	0.41
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	17	0.46	0.26	0.41
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	17	0.46	0.26	0.41
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	17	0.44	0.09	0.45
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	17	0.38	0.12	0.38
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	17	0.38	0.12	0.38
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	17	0.38	0.12	0.38
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	17	0.38	0.06	0.38
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	17	0.38	0.06	0.38
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	17	0.38	0.06	0.38
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	17	0.35	0.26	0.2
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	17	0.29	0.09	0.29
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	17	0.27	0.13	0.27
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	17	0.23	0.04	0.23
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	17	0.23	0.04	0.23
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	16	1.88	0.64	2.16
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	16	1.88	0.64	2.16
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	16	1.48	0.73	1.84
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	16	1.13	0.3	1.14
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	16	1.13	0.3	1.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	16	1.13	0.3	1.14
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	16	0.97	0.33	1.06
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	16	0.7	0.19	0.68
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	16	0.7	0.19	0.68
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	16	0.7	0.19	0.68
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	16	0.7	0.19	0.68
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	16	0.7	0.19	0.68
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	16	0.7	0.19	0.68
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	16	0.7	0.19	0.68
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	16	0.7	0.19	0.68
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	16	0.7	0.19	0.68
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	16	0.7	0.19	0.68
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	16	0.7	0.19	0.68
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	16	0.7	0.19	0.68
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	16	0.7	0.33	0.62
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	16	0.7	0.33	0.62
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	16	0.7	0.33	0.62
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	16	0.7	0.33	0.62
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	16	0.7	0.33	0.62
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	16	0.7	0.33	0.62
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	16	0.67	0.03	0.66
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	16	0.65	0.02	0.66
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	16	0.64	0.07	0.64
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	16	0.64	0.07	0.64
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	16	0.64	0.07	0.64
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	16	0.64	0.07	0.64
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	16	0.64	0.07	0.64
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	16	0.64	0.07	0.64
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	16	0.62	0.12	0.64
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	16	0.61	0.85	0.31
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	16	0.61	0.85	0.31
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	16	0.61	0.85	0.31
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	16	0.61	0.85	0.31
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	16	0.61	0.85	0.31
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	16	0.61	0.85	0.31
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	16	0.6	0.05	0.59
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	16	0.44	0.18	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	16	0.44	0.18	0.47
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	16	0.44	0.18	0.47
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	16	0.41	0.09	0.44
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	16	0.41	0.09	0.44
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	16	0.4	0.08	0.4
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	16	0.38	0.15	0.38
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	16	0.31	0.17	0.26
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	16	0.31	0.17	0.26
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	16	0.31	0.17	0.26
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	16	0.31	0.17	0.26
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	16	0.31	0.17	0.26
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	16	0.31	0.17	0.26
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	16	0.29	0.07	0.3
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	16	0.28	0.1	0.28
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	16	0.28	0.08	0.29
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	16	0.26	0.07	0.26
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	16	0.26	0.1	0.23
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	16	0.22	0.06	0.23
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	16	0.21	0.06	0.21
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	16	0.16	0.01	0.16
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	16	0.14	0.03	0.15
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	15	1.32	0.72	1.23
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	15	1.3	0.92	0.77
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	15	1.3	0.92	0.77
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	15	1.3	0.92	0.77
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	15	1.06	0.68	0.88
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	15	1.06	0.68	0.88
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	15	1.06	0.68	0.88
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	15	1.06	0.68	0.88
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	15	1.06	0.68	0.88
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	15	1.06	0.68	0.88
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	15	0.95	0.5	0.93

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	15	0.95	0.5	0.93
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	15	0.95	0.5	0.93
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	15	0.95	0.5	0.93
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	15	0.95	0.5	0.93
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	15	0.95	0.5	0.93
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	15	0.79	0.6	0.56
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	15	0.79	0.6	0.56
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	15	0.79	0.6	0.56
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	15	0.79	0.6	0.56
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	15	0.79	0.73	0.31
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	15	0.74	0.21	0.7
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	15	0.74	0.21	0.7
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	15	0.74	0.21	0.7
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	15	0.71	0.21	0.72
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	15	0.71	0.21	0.72
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	15	0.68	0.29	0.63
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	15	0.68	0.29	0.63
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	15	0.68	0.29	0.63
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	15	0.68	0.29	0.63
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	15	0.68	0.29	0.63
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	15	0.68	0.29	0.63
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	15	0.55	0.23	0.5
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	15	0.55	0.23	0.5
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	15	0.47	0.18	0.48
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	15	0.47	0.18	0.48
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	15	0.47	0.18	0.48
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	15	0.47	0.18	0.48
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	15	0.43	0.33	0.44
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	15	0.43	0.33	0.44
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	15	0.43	0.33	0.44
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	15	0.43	0.33	0.44
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	15	0.43	0.33	0.44
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	15	0.43	0.33	0.44
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	15	0.39	0.34	0.24
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	15	0.36	0.11	0.37
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	15	0.36	0.11	0.37
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	15	0.36	0.23	0.3
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	15	0.32	0.13	0.28
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	15	0.29	0.15	0.28
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	15	0.29	0.15	0.28
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	15	0.28	0.09	0.3
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	15	0.28	0.09	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	15	0.28	0.16	0.22
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	15	0.26	0.06	0.26
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	15	0.26	0.06	0.26
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	15	0.24	0.08	0.21
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	15	0.24	0.04	0.22
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	15	0.24	0.11	0.22
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	15	0.21	0.17	0.18
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	15	0.21	0.08	0.21
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	15	0.12	0.01	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	15	0.12	0.01	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	15	0.12	0.01	0.11
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	14	2.53	2.16	1.73
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	14	1.55	0.75	1.54
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	14	1.55	0.75	1.54
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	14	1.39	0.69	1.52
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	14	1.39	0.69	1.52
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	14	1.39	0.69	1.52
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	14	1.39	0.69	1.52
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	14	1.39	0.69	1.52
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	14	1.39	0.69	1.52
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	14	1.39	0.69	1.52
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	14	1.39	0.69	1.52
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	14	1.39	0.69	1.52
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	14	1.39	0.69	1.52
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	14	1.39	0.69	1.52
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	14	1.39	0.69	1.52
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	14	1.23	0.8	1.2
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	14	1.23	0.8	1.2
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	14	1.23	0.8	1.2
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	14	1.08	0.07	1.06
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	14	1.08	0.07	1.06
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	14	1.08	0.85	1.24
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	14	1.08	0.85	1.24
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	14	0.77	0.95	0.36
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	14	0.68	0.02	0.68
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	14	0.63	0.18	0.68
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	14	0.63	0.18	0.68
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	14	0.63	0.18	0.68
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	14	0.55	0.44	0.21
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	14	0.55	0.34	0.39
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	14	0.55	0.34	0.39
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	14	0.55	0.34	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	14	0.55	0.34	0.39
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	14	0.55	0.34	0.39
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	14	0.55	0.34	0.39
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	14	0.54	0.24	0.44
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	14	0.51	0.16	0.49
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	14	0.51	0.16	0.49
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	14	0.51	0.16	0.49
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	14	0.51	0.12	0.53
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	14	0.51	0.12	0.53
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	14	0.51	0.12	0.53
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	14	0.48	0.21	0.45
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	14	0.48	0.21	0.45
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	14	0.48	0.21	0.45
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	14	0.43	0.13	0.44
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	14	0.39	0.04	0.4
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	14	0.38	0.14	0.32
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	14	0.38	0.14	0.32
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	14	0.38	0.14	0.32
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	14	0.38	0.14	0.35
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	14	0.38	0.17	0.42
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	14	0.31	0.15	0.26
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	14	0.31	0.15	0.26
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	14	0.31	0.1	0.28
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	14	0.31	0.1	0.28
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	14	0.3	0.11	0.3
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	14	0.29	0.1	0.3
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	14	0.23	0.19	0.15
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	14	0.21	0.03	0.22
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	14	0.21	0.03	0.22
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	14	0.21	0.03	0.22
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	14	0.21	0.06	0.2
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	14	0.21	0.06	0.2
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	14	0.21	0.06	0.2
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	14	0.21	0.06	0.2
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	14	0.21	0.06	0.2
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	14	0.21	0.06	0.2
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	14	0.2	0.06	0.2
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	14	0.18	0.07	0.16
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	14	0.13	0.02	0.13
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	14	0.12	0.01	0.12
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	13	2.17	0.71	2.49
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	13	2.17	0.71	2.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	13	1.56	0.49	1.91
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	13	1.26	0.21	1.22
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	13	1.26	0.08	1.27
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	13	1.26	0.08	1.27
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	13	1.26	0.08	1.27
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	13	1.26	0.08	1.27
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	13	1.26	0.08	1.27
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	13	1.26	0.08	1.27
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	13	1.09	1.0	0.39
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	13	1.09	1.0	0.39
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	13	1.09	1.0	0.39
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	13	1.09	1.0	0.39
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	13	1.09	1.0	0.39
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	13	1.09	1.0	0.39
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	13	0.94	0.13	0.91
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	13	0.94	0.13	0.91
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	13	0.94	0.13	0.91
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	13	0.94	0.13	0.91
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	13	0.94	0.13	0.91
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	13	0.94	0.13	0.91
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	13	0.9	0.07	0.92
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	13	0.9	0.07	0.92
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	13	0.9	0.07	0.92
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	13	0.9	0.07	0.92
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	13	0.9	0.07	0.92
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	13	0.9	0.07	0.92
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	13	0.86	0.87	0.41
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	13	0.86	0.87	0.41
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	13	0.76	0.21	0.8
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	13	0.75	0.39	0.86
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	13	0.75	0.39	0.86
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	13	0.75	0.39	0.86
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	13	0.68	0.05	0.68
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	13	0.58	0.33	0.72
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	13	0.58	0.33	0.72
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	13	0.58	0.33	0.72
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	13	0.58	0.33	0.72
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	13	0.48	0.13	0.51
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	13	0.47	0.27	0.4
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	13	0.47	0.27	0.4
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	13	0.45	0.24	0.5
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	13	0.45	0.24	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	13	0.45	0.24	0.5
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	13	0.45	0.24	0.5
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	13	0.45	0.24	0.5
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	13	0.45	0.24	0.5
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	13	0.43	0.15	0.4
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	13	0.39	0.17	0.45
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	13	0.39	0.17	0.45
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	13	0.39	0.16	0.39
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	13	0.39	0.16	0.39
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	13	0.39	0.16	0.39
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	13	0.39	0.16	0.39
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	13	0.37	0.02	0.37
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	13	0.35	0.17	0.34
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	13	0.35	0.17	0.34
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	13	0.35	0.17	0.34
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	13	0.35	0.17	0.34
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	13	0.35	0.17	0.34
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	13	0.35	0.17	0.34
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	13	0.35	0.19	0.32
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	13	0.33	0.09	0.31
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	13	0.32	0.17	0.29
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	13	0.32	0.17	0.29
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	13	0.32	0.17	0.29
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	13	0.32	0.17	0.29
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	13	0.32	0.17	0.29
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	13	0.32	0.17	0.29
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	13	0.31	0.24	0.21
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	13	0.31	0.24	0.21
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	13	0.31	0.24	0.21
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	13	0.31	0.24	0.21
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	13	0.31	0.24	0.21
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	13	0.31	0.24	0.21
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	13	0.3	0.09	0.35
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	13	0.3	0.09	0.35
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	13	0.3	0.09	0.35
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	13	0.28	0.09	0.24
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	13	0.28	0.09	0.24
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	13	0.27	0.12	0.26
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	13	0.27	0.12	0.26
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	13	0.27	0.12	0.26
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	13	0.27	0.12	0.26
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	13	0.27	0.12	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	13	0.27	0.12	0.26
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	13	0.27	0.07	0.27
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	13	0.26	0.12	0.19
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	13	0.26	0.12	0.19
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	13	0.26	0.12	0.28
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	13	0.26	0.12	0.28
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	13	0.26	0.12	0.28
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	13	0.26	0.12	0.28
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	13	0.26	0.12	0.28
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	13	0.26	0.12	0.28
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	13	0.25	0.06	0.27
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	13	0.25	0.06	0.27
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	13	0.22	0.09	0.21
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	13	0.21	0.05	0.2
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	13	0.2	0.11	0.17
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	13	0.2	0.11	0.17
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	13	0.19	0.08	0.16
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	13	0.17	0.04	0.16
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	13	0.14	0.02	0.14
(1,1360)	1:88:A:ARG:HG2	1:90:A:LEU:HA	12	2.39	0.28	2.48
(1,1360)	1:88:A:ARG:HG3	1:90:A:LEU:HA	12	2.39	0.28	2.48
(1,1238)	1:146:A:LEU:HG	1:160:A:ILE:H	12	1.71	0.96	1.58
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	12	1.24	0.6	1.23
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	12	1.24	0.6	1.23
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	12	1.24	0.6	1.23
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	12	1.24	0.6	1.23
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	12	1.24	0.6	1.23
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	12	1.24	0.6	1.23
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG11	12	1.1	0.31	1.2
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG12	12	1.1	0.31	1.2
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG13	12	1.1	0.31	1.2
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG21	12	1.1	0.31	1.2
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG22	12	1.1	0.31	1.2
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG23	12	1.1	0.31	1.2
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	12	0.98	0.51	1.14
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	12	0.98	0.51	1.14
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	12	0.98	0.51	1.14
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	12	0.98	0.51	1.14
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	12	0.98	0.51	1.14
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	12	0.98	0.51	1.14
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	12	0.98	0.51	1.14
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	12	0.98	0.51	1.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	12	0.98	0.51	1.14
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	12	0.98	0.51	1.14
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	12	0.98	0.51	1.14
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	12	0.98	0.51	1.14
(1,540)	1:109:A:GLN:HG2	1:111:A:VAL:H	12	0.92	0.98	0.44
(1,443)	1:88:A:ARG:HG3	1:89:A:TYR:H	12	0.88	0.16	0.91
(1,1496)	1:108:A:LYS:HD2	1:109:A:GLN:H	12	0.71	0.09	0.7
(1,1496)	1:108:A:LYS:HD3	1:109:A:GLN:H	12	0.71	0.09	0.7
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG11	12	0.7	0.19	0.74
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG12	12	0.7	0.19	0.74
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG13	12	0.7	0.19	0.74
(1,493)	1:98:A:MET:HG3	1:99:A:SER:H	12	0.69	0.29	0.82
(1,320)	1:178:A:VAL:HG21	1:203:A:TRP:HB2	12	0.66	0.3	0.57
(1,320)	1:178:A:VAL:HG22	1:203:A:TRP:HB2	12	0.66	0.3	0.57
(1,320)	1:178:A:VAL:HG23	1:203:A:TRP:HB2	12	0.66	0.3	0.57
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA2	12	0.65	0.12	0.68
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA3	12	0.65	0.12	0.68
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA2	12	0.65	0.12	0.68
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA3	12	0.65	0.12	0.68
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA2	12	0.65	0.12	0.68
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA3	12	0.65	0.12	0.68
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG21	12	0.64	0.29	0.6
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG22	12	0.64	0.29	0.6
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG23	12	0.64	0.29	0.6
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD2	12	0.58	0.05	0.59
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD3	12	0.58	0.05	0.59
(1,1358)	1:88:A:ARG:HG2	1:89:A:TYR:H	12	0.53	0.16	0.57
(1,1358)	1:88:A:ARG:HG3	1:89:A:TYR:H	12	0.53	0.16	0.57
(1,977)	1:193:A:ARG:H	1:193:A:ARG:HD2	12	0.49	0.31	0.32
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD21	12	0.4	0.19	0.38
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD22	12	0.4	0.19	0.38
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD23	12	0.4	0.19	0.38
(1,426)	1:115:A:LEU:HG	1:174:A:VAL:H	12	0.35	0.19	0.31
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG11	12	0.33	0.12	0.38
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG12	12	0.33	0.12	0.38
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG13	12	0.33	0.12	0.38
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG21	12	0.33	0.12	0.38
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG22	12	0.33	0.12	0.38
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG23	12	0.33	0.12	0.38
(1,1692)	1:162:A:PRO:HG2	1:163:A:LEU:H	12	0.31	0.15	0.26
(1,1692)	1:162:A:PRO:HG3	1:163:A:LEU:H	12	0.31	0.15	0.26
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB2	12	0.28	0.13	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB3	12	0.28	0.13	0.32
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB2	12	0.28	0.13	0.32
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB3	12	0.28	0.13	0.32
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB2	12	0.28	0.13	0.32
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB3	12	0.28	0.13	0.32
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB2	12	0.25	0.09	0.24
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB3	12	0.25	0.09	0.24
(1,344)	1:181:A:LEU:HG	1:185:A:LEU:H	12	0.23	0.09	0.24
(1,680)	1:133:A:ASN:HB3	1:134:A:PHE:H	12	0.17	0.03	0.17
(1,1098)	1:103:A:PHE:H	1:104:A:MET:H	12	0.12	0.02	0.12
(1,917)	1:185:A:LEU:H	1:185:A:LEU:HB3	12	0.12	0.02	0.12
(1,291)	1:115:A:LEU:HG	1:169:A:HIS:HE1	11	2.07	1.98	1.35
(1,1439)	1:100:A:ARG:HG2	1:102:A:TRP:HA	11	1.82	0.27	1.93
(1,1439)	1:100:A:ARG:HG3	1:102:A:TRP:HA	11	1.82	0.27	1.93
(1,1693)	1:162:A:PRO:HG2	1:169:A:HIS:HE1	11	1.6	0.78	1.81
(1,1693)	1:162:A:PRO:HG3	1:169:A:HIS:HE1	11	1.6	0.78	1.81
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD1	11	1.09	0.76	0.85
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD2	11	1.09	0.76	0.85
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD1	11	1.09	0.76	0.85
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD2	11	1.09	0.76	0.85
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD1	11	1.09	0.76	0.85
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD2	11	1.09	0.76	0.85
(1,639)	1:127:A:ASN:H	1:152:A:GLU:HG3	11	0.93	0.65	1.28
(1,430)	1:137:A:ILE:H	1:142:A:GLU:H	11	0.92	0.58	0.69
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD11	11	0.91	0.68	0.73
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD12	11	0.91	0.68	0.73
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD13	11	0.91	0.68	0.73
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD11	11	0.91	0.68	0.73
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD12	11	0.91	0.68	0.73
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD13	11	0.91	0.68	0.73
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG2	11	0.75	0.32	0.73
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG3	11	0.75	0.32	0.73
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG21	11	0.74	0.51	0.64
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG22	11	0.74	0.51	0.64
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG23	11	0.74	0.51	0.64
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG21	11	0.74	0.51	0.64
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG22	11	0.74	0.51	0.64
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG23	11	0.74	0.51	0.64
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG21	11	0.65	0.29	0.77
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG22	11	0.65	0.29	0.77
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG23	11	0.65	0.29	0.77
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG21	11	0.65	0.29	0.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG22	11	0.65	0.29	0.77
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG23	11	0.65	0.29	0.77
(1,590)	1:121:A:GLN:H	1:121:A:GLN:HG3	11	0.57	0.28	0.46
(1,1160)	1:131:A:LYS:H	1:147:A:LEU:HG	11	0.55	0.65	0.29
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG11	11	0.53	0.31	0.48
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG12	11	0.53	0.31	0.48
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG13	11	0.53	0.31	0.48
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG21	11	0.53	0.31	0.48
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG22	11	0.53	0.31	0.48
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG23	11	0.53	0.31	0.48
(1,1424)	1:98:A:MET:HG2	1:100:A:ARG:H	11	0.5	0.25	0.36
(1,1424)	1:98:A:MET:HG3	1:100:A:ARG:H	11	0.5	0.25	0.36
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE1	11	0.47	0.18	0.43
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE2	11	0.47	0.18	0.43
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE3	11	0.47	0.18	0.43
(1,150)	1:131:A:LYS:HA	1:147:A:LEU:HG	11	0.44	0.51	0.2
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG21	11	0.43	0.18	0.36
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG22	11	0.43	0.18	0.36
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG23	11	0.43	0.18	0.36
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG21	11	0.43	0.18	0.36
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG22	11	0.43	0.18	0.36
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG23	11	0.43	0.18	0.36
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG21	11	0.41	0.33	0.29
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG22	11	0.41	0.33	0.29
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG23	11	0.41	0.33	0.29
(1,1471)	1:105:A:LEU:HD11	1:122:A:ALA:H	11	0.38	0.23	0.45
(1,1471)	1:105:A:LEU:HD12	1:122:A:ALA:H	11	0.38	0.23	0.45
(1,1471)	1:105:A:LEU:HD13	1:122:A:ALA:H	11	0.38	0.23	0.45
(1,1471)	1:105:A:LEU:HD21	1:122:A:ALA:H	11	0.38	0.23	0.45
(1,1471)	1:105:A:LEU:HD22	1:122:A:ALA:H	11	0.38	0.23	0.45
(1,1471)	1:105:A:LEU:HD23	1:122:A:ALA:H	11	0.38	0.23	0.45
(1,1278)	1:180:A:VAL:HA	1:183:A:GLY:H	11	0.37	0.16	0.41
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG11	11	0.37	0.19	0.32
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG12	11	0.37	0.19	0.32
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG13	11	0.37	0.19	0.32
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG21	11	0.37	0.19	0.32
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG22	11	0.37	0.19	0.32
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG23	11	0.37	0.19	0.32
(1,933)	1:187:A:ARG:HD2	1:188:A:ASN:H	11	0.33	0.2	0.24
(1,933)	1:187:A:ARG:HD3	1:188:A:ASN:H	11	0.33	0.2	0.24
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG11	11	0.33	0.11	0.3
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG12	11	0.33	0.11	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG13	11	0.33	0.11	0.3
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG21	11	0.33	0.11	0.3
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG22	11	0.33	0.11	0.3
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG23	11	0.33	0.11	0.3
(1,364)	1:190:A:ASN:HB3	1:191:A:THR:HB	11	0.32	0.35	0.19
(1,423)	1:203:A:TRP:HA	1:203:A:TRP:HD1	11	0.29	0.09	0.29
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG21	11	0.21	0.08	0.19
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG22	11	0.21	0.08	0.19
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG23	11	0.21	0.08	0.19
(1,850)	1:171:A:ASP:HA	1:175:A:LYS:H	11	0.19	0.08	0.17
(1,1058)	1:178:A:VAL:HB	1:181:A:LEU:H	11	0.18	0.05	0.17
(1,1319)	1:200:A:ARG:H	1:202:A:ALA:H	11	0.17	0.09	0.14
(1,545)	1:111:A:VAL:HB	1:112:A:ALA:H	11	0.16	0.04	0.16
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB1	11	0.14	0.03	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB2	11	0.14	0.03	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB3	11	0.14	0.03	0.13
(1,999)	1:194:A:VAL:HG21	1:199:A:GLN:H	10	1.29	0.14	1.27
(1,999)	1:194:A:VAL:HG22	1:199:A:GLN:H	10	1.29	0.14	1.27
(1,999)	1:194:A:VAL:HG23	1:199:A:GLN:H	10	1.29	0.14	1.27
(1,402)	1:194:A:VAL:HB	1:203:A:TRP:HB2	10	1.17	0.62	1.14
(1,416)	1:182:A:ILE:HG21	1:203:A:TRP:HZ2	10	1.13	0.89	0.66
(1,416)	1:182:A:ILE:HG22	1:203:A:TRP:HZ2	10	1.13	0.89	0.66
(1,416)	1:182:A:ILE:HG23	1:203:A:TRP:HZ2	10	1.13	0.89	0.66
(1,1442)	1:100:A:ARG:HD2	1:156:A:ILE:H	10	1.06	0.51	0.94
(1,1442)	1:100:A:ARG:HD3	1:156:A:ILE:H	10	1.06	0.51	0.94
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG2	10	1.05	0.89	0.79
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG3	10	1.05	0.89	0.79
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	10	1.03	0.42	1.0
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	10	1.03	0.42	1.0
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	10	1.03	0.42	1.0
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	10	1.03	0.42	1.0
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	10	1.03	0.42	1.0
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	10	1.03	0.42	1.0
(1,998)	1:194:A:VAL:HG11	1:199:A:GLN:H	10	0.84	0.22	0.83
(1,998)	1:194:A:VAL:HG12	1:199:A:GLN:H	10	0.84	0.22	0.83
(1,998)	1:194:A:VAL:HG13	1:199:A:GLN:H	10	0.84	0.22	0.83
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB2	10	0.82	0.64	0.57
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB3	10	0.82	0.64	0.57
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB2	10	0.82	0.64	0.57
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB3	10	0.82	0.64	0.57
(1,411)	1:202:A:ALA:HB1	1:203:A:TRP:HE3	10	0.74	0.6	0.54
(1,411)	1:202:A:ALA:HB2	1:203:A:TRP:HE3	10	0.74	0.6	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,411)	1:202:A:ALA:HB3	1:203:A:TRP:HE3	10	0.74	0.6	0.54
(1,497)	1:100:A:ARG:H	1:100:A:ARG:HG2	10	0.61	0.1	0.62
(1,1781)	1:194:A:VAL:HG11	1:203:A:TRP:H	10	0.57	0.29	0.59
(1,1781)	1:194:A:VAL:HG12	1:203:A:TRP:H	10	0.57	0.29	0.59
(1,1781)	1:194:A:VAL:HG13	1:203:A:TRP:H	10	0.57	0.29	0.59
(1,1781)	1:194:A:VAL:HG21	1:203:A:TRP:H	10	0.57	0.29	0.59
(1,1781)	1:194:A:VAL:HG22	1:203:A:TRP:H	10	0.57	0.29	0.59
(1,1781)	1:194:A:VAL:HG23	1:203:A:TRP:H	10	0.57	0.29	0.59
(1,1044)	1:136:A:VAL:HB	1:142:A:GLU:H	10	0.57	0.43	0.34
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG11	10	0.53	0.22	0.51
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG12	10	0.53	0.22	0.51
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG13	10	0.53	0.22	0.51
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG21	10	0.53	0.22	0.51
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG22	10	0.53	0.22	0.51
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG23	10	0.53	0.22	0.51
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG11	10	0.53	0.22	0.51
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG12	10	0.53	0.22	0.51
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG13	10	0.53	0.22	0.51
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG21	10	0.53	0.22	0.51
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG22	10	0.53	0.22	0.51
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG23	10	0.53	0.22	0.51
(1,986)	1:194:A:VAL:HB	1:195:A:SER:H	10	0.5	0.07	0.48
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD1	10	0.48	0.51	0.38
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD2	10	0.48	0.51	0.38
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD1	10	0.48	0.51	0.38
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD2	10	0.48	0.51	0.38
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD2	10	0.43	0.1	0.39
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD3	10	0.43	0.1	0.39
(1,700)	1:87:A:SER:HA	1:138:A:PHE:H	10	0.42	0.25	0.35
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB2	10	0.37	0.23	0.32
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB3	10	0.37	0.23	0.32
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB2	10	0.37	0.23	0.32
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB3	10	0.37	0.23	0.32
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG21	10	0.37	0.17	0.34
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG22	10	0.37	0.17	0.34
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG23	10	0.37	0.17	0.34
(1,1438)	1:100:A:ARG:HG2	1:101:A:ASP:H	10	0.35	0.06	0.34
(1,1438)	1:100:A:ARG:HG3	1:101:A:ASP:H	10	0.35	0.06	0.34
(1,553)	1:115:A:LEU:H	1:115:A:LEU:HG	10	0.33	0.17	0.32
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD11	10	0.33	0.16	0.29
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD12	10	0.33	0.16	0.29
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD13	10	0.33	0.16	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1095)	1:102:A:TRP:H	1:102:A:TRP:HE1	10	0.2	0.09	0.18
(1,477)	1:94:A:THR:H	1:96:A:GLU:H	10	0.2	0.11	0.15
(1,1006)	1:178:A:VAL:HG21	1:202:A:ALA:H	10	0.19	0.09	0.15
(1,1006)	1:178:A:VAL:HG22	1:202:A:ALA:H	10	0.19	0.09	0.15
(1,1006)	1:178:A:VAL:HG23	1:202:A:ALA:H	10	0.19	0.09	0.15
(1,447)	1:89:A:TYR:H	1:90:A:LEU:H	10	0.19	0.03	0.2
(1,179)	1:137:A:ILE:HB	1:138:A:PHE:H	10	0.19	0.05	0.18
(1,738)	1:129:A:ILE:HA	1:150:A:PHE:H	10	0.17	0.05	0.16
(1,1725)	1:176:A:ASN:HB2	1:178:A:VAL:H	10	0.14	0.02	0.14
(1,1725)	1:176:A:ASN:HB3	1:178:A:VAL:H	10	0.14	0.02	0.14
(1,245)	1:155:A:ALA:HB1	1:156:A:ILE:HA	10	0.12	0.02	0.11
(1,245)	1:155:A:ALA:HB2	1:156:A:ILE:HA	10	0.12	0.02	0.11
(1,245)	1:155:A:ALA:HB3	1:156:A:ILE:HA	10	0.12	0.02	0.11
(1,1331)	1:178:A:VAL:HB	1:203:A:TRP:HE3	9	3.03	1.81	3.99
(1,13)	1:146:A:LEU:HG	1:148:A:ARG:HA	9	3.0	0.34	2.86
(1,1191)	1:144:A:LEU:HG	1:146:A:LEU:H	9	2.47	1.11	2.91
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG2	9	1.91	0.76	2.21
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG3	9	1.91	0.76	2.21
(1,719)	1:146:A:LEU:HG	1:147:A:LEU:H	9	1.13	0.44	1.22
(1,633)	1:127:A:ASN:H	1:127:A:ASN:HD21	9	1.09	0.55	1.42
(1,496)	1:100:A:ARG:H	1:100:A:ARG:HD3	9	0.97	0.08	0.96
(1,401)	1:178:A:VAL:HG11	1:203:A:TRP:HA	9	0.91	0.42	0.99
(1,401)	1:178:A:VAL:HG12	1:203:A:TRP:HA	9	0.91	0.42	0.99
(1,401)	1:178:A:VAL:HG13	1:203:A:TRP:HA	9	0.91	0.42	0.99
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG2	9	0.88	0.55	0.8
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG3	9	0.88	0.55	0.8
(1,488)	1:98:A:MET:H	1:98:A:MET:HG3	9	0.8	0.26	0.94
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG2	9	0.78	0.12	0.81
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG3	9	0.78	0.12	0.81
(1,642)	1:127:A:ASN:H	1:191:A:THR:HB	9	0.75	0.72	0.36
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG2	9	0.71	0.72	0.41
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG3	9	0.71	0.72	0.41
(1,303)	1:115:A:LEU:HG	1:174:A:VAL:HA	9	0.67	0.2	0.67
(1,408)	1:199:A:GLN:HA	1:203:A:TRP:HD1	9	0.66	0.43	0.49
(1,703)	1:137:A:ILE:HB	1:140:A:ARG:H	9	0.62	0.45	0.57
(1,695)	1:137:A:ILE:H	1:139:A:ASP:HA	9	0.61	0.5	0.42
(1,1091)	1:100:A:ARG:H	1:100:A:ARG:HG3	9	0.59	0.04	0.6
(1,1271)	1:178:A:VAL:HB	1:179:A:GLY:H	9	0.59	0.16	0.66
(1,239)	1:152:A:GLU:HG2	1:153:A:GLU:H	9	0.56	0.08	0.58
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB2	9	0.51	0.32	0.45
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB3	9	0.51	0.32	0.45
(1,1011)	1:201:A:PHE:H	1:203:A:TRP:H	9	0.47	0.19	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1434)	1:100:A:ARG:HB2	1:101:A:ASP:H	9	0.42	0.11	0.42
(1,1434)	1:100:A:ARG:HB3	1:101:A:ASP:H	9	0.42	0.11	0.42
(1,1177)	1:135:A:SER:H	1:145:A:ILE:HB	9	0.41	0.15	0.49
(1,159)	1:91:A:THR:HB	1:133:A:ASN:HB2	9	0.4	0.15	0.42
(1,1355)	1:88:A:ARG:HB2	1:89:A:TYR:HA	9	0.32	0.08	0.3
(1,1355)	1:88:A:ARG:HB3	1:89:A:TYR:HA	9	0.32	0.08	0.3
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG21	9	0.28	0.4	0.13
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG22	9	0.28	0.4	0.13
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG23	9	0.28	0.4	0.13
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG11	9	0.28	0.1	0.33
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG12	9	0.28	0.1	0.33
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG13	9	0.28	0.1	0.33
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG21	9	0.28	0.1	0.33
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG22	9	0.28	0.1	0.33
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG23	9	0.28	0.1	0.33
(1,465)	1:92:A:ASP:H	1:93:A:MET:HB3	9	0.26	0.13	0.3
(1,946)	1:185:A:LEU:HA	1:190:A:ASN:H	9	0.26	0.1	0.26
(1,1243)	1:116:A:CYS:HB2	1:161:A:SER:H	9	0.24	0.11	0.2
(1,664)	1:129:A:ILE:HG21	1:131:A:LYS:H	9	0.24	0.1	0.27
(1,664)	1:129:A:ILE:HG22	1:131:A:LYS:H	9	0.24	0.1	0.27
(1,664)	1:129:A:ILE:HG23	1:131:A:LYS:H	9	0.24	0.1	0.27
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG11	9	0.22	0.1	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG12	9	0.22	0.1	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG13	9	0.22	0.1	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG21	9	0.22	0.1	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG22	9	0.22	0.1	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG23	9	0.22	0.1	0.17
(1,982)	1:194:A:VAL:H	1:194:A:VAL:HB	9	0.19	0.03	0.2
(1,1273)	1:178:A:VAL:HG21	1:179:A:GLY:H	9	0.19	0.07	0.16
(1,1273)	1:178:A:VAL:HG22	1:179:A:GLY:H	9	0.19	0.07	0.16
(1,1273)	1:178:A:VAL:HG23	1:179:A:GLY:H	9	0.19	0.07	0.16
(1,1079)	1:94:A:THR:HG21	1:96:A:GLU:H	9	0.19	0.06	0.17
(1,1079)	1:94:A:THR:HG22	1:96:A:GLU:H	9	0.19	0.06	0.17
(1,1079)	1:94:A:THR:HG23	1:96:A:GLU:H	9	0.19	0.06	0.17
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG21	9	0.18	0.06	0.19
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG22	9	0.18	0.06	0.19
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG23	9	0.18	0.06	0.19
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG21	9	0.18	0.06	0.19
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG22	9	0.18	0.06	0.19
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG23	9	0.18	0.06	0.19
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG21	9	0.18	0.06	0.19
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG22	9	0.18	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)
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG23	9	0.18	0.06	0.19
(1,474)	1:94:A:THR:HG21	1:95:A:LEU:H	9	0.17	0.05	0.17
(1,474)	1:94:A:THR:HG22	1:95:A:LEU:H	9	0.17	0.05	0.17
(1,474)	1:94:A:THR:HG23	1:95:A:LEU:H	9	0.17	0.05	0.17
(1,1649)	1:136:A:VAL:HG11	1:137:A:ILE:H	9	0.17	0.04	0.15
(1,1649)	1:136:A:VAL:HG12	1:137:A:ILE:H	9	0.17	0.04	0.15
(1,1649)	1:136:A:VAL:HG13	1:137:A:ILE:H	9	0.17	0.04	0.15
(1,1649)	1:136:A:VAL:HG21	1:137:A:ILE:H	9	0.17	0.04	0.15
(1,1649)	1:136:A:VAL:HG22	1:137:A:ILE:H	9	0.17	0.04	0.15
(1,1649)	1:136:A:VAL:HG23	1:137:A:ILE:H	9	0.17	0.04	0.15
(1,1400)	1:95:A:LEU:HD11	1:96:A:GLU:H	9	0.16	0.04	0.15
(1,1400)	1:95:A:LEU:HD12	1:96:A:GLU:H	9	0.16	0.04	0.15
(1,1400)	1:95:A:LEU:HD13	1:96:A:GLU:H	9	0.16	0.04	0.15
(1,1400)	1:95:A:LEU:HD21	1:96:A:GLU:H	9	0.16	0.04	0.15
(1,1400)	1:95:A:LEU:HD22	1:96:A:GLU:H	9	0.16	0.04	0.15
(1,1400)	1:95:A:LEU:HD23	1:96:A:GLU:H	9	0.16	0.04	0.15
(1,905)	1:183:A:GLY:H	1:186:A:GLU:H	9	0.16	0.04	0.14
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG2	9	0.15	0.02	0.16
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG3	9	0.15	0.02	0.16
(1,966)	1:191:A:THR:H	1:191:A:THR:HG21	9	0.13	0.04	0.12
(1,966)	1:191:A:THR:H	1:191:A:THR:HG22	9	0.13	0.04	0.12
(1,966)	1:191:A:THR:H	1:191:A:THR:HG23	9	0.13	0.04	0.12
(1,1275)	1:179:A:GLY:H	1:203:A:TRP:HZ3	8	5.4	2.52	6.55
(1,412)	1:179:A:GLY:HA2	1:203:A:TRP:HH2	8	3.7	1.58	4.11
(1,418)	1:178:A:VAL:HG11	1:203:A:TRP:HZ3	8	3.15	1.56	3.76
(1,418)	1:178:A:VAL:HG12	1:203:A:TRP:HZ3	8	3.15	1.56	3.76
(1,418)	1:178:A:VAL:HG13	1:203:A:TRP:HZ3	8	3.15	1.56	3.76
(1,409)	1:178:A:VAL:HG11	1:203:A:TRP:HE3	8	2.74	1.47	3.49
(1,409)	1:178:A:VAL:HG12	1:203:A:TRP:HE3	8	2.74	1.47	3.49
(1,409)	1:178:A:VAL:HG13	1:203:A:TRP:HE3	8	2.74	1.47	3.49
(1,1691)	1:162:A:PRO:HB2	1:169:A:HIS:HE1	8	0.92	0.32	0.91
(1,1691)	1:162:A:PRO:HB3	1:169:A:HIS:HE1	8	0.92	0.32	0.91
(1,487)	1:98:A:MET:H	1:98:A:MET:HG2	8	0.88	0.27	0.98
(1,461)	1:91:A:THR:H	1:197:A:THR:HG21	8	0.75	0.63	0.36
(1,461)	1:91:A:THR:H	1:197:A:THR:HG22	8	0.75	0.63	0.36
(1,461)	1:91:A:THR:H	1:197:A:THR:HG23	8	0.75	0.63	0.36
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG2	8	0.73	0.3	0.72
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG3	8	0.73	0.3	0.72
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG2	8	0.73	0.3	0.72
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG3	8	0.73	0.3	0.72
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG2	8	0.73	0.3	0.72
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG3	8	0.73	0.3	0.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,871)	1:178:A:VAL:H	1:178:A:VAL:HB	8	0.66	0.02	0.66
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG21	8	0.59	0.31	0.48
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG22	8	0.59	0.31	0.48
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG23	8	0.59	0.31	0.48
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG21	8	0.59	0.31	0.48
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG22	8	0.59	0.31	0.48
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG23	8	0.59	0.31	0.48
(1,492)	1:98:A:MET:HG2	1:99:A:SER:H	8	0.53	0.33	0.52
(1,14)	1:146:A:LEU:HG	1:161:A:SER:HA	8	0.5	0.32	0.41
(1,821)	1:114:A:SER:HA	1:163:A:LEU:H	8	0.5	0.35	0.35
(1,1423)	1:98:A:MET:HB2	1:99:A:SER:H	8	0.4	0.06	0.4
(1,1423)	1:98:A:MET:HB3	1:99:A:SER:H	8	0.4	0.06	0.4
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA2	8	0.39	0.03	0.38
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA3	8	0.39	0.03	0.38
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA2	8	0.39	0.03	0.38
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA3	8	0.39	0.03	0.38
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA2	8	0.39	0.03	0.38
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA3	8	0.39	0.03	0.38
(1,139)	1:129:A:ILE:HA	1:193:A:ARG:HD3	8	0.37	0.28	0.28
(1,336)	1:182:A:ILE:HA	1:185:A:LEU:HG	8	0.37	0.15	0.34
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG11	8	0.34	0.26	0.27
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG12	8	0.34	0.26	0.27
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG13	8	0.34	0.26	0.27
(1,1046)	1:105:A:LEU:HB2	1:123:A:ILE:H	8	0.34	0.21	0.31
(1,1726)	1:176:A:ASN:HB2	1:180:A:VAL:H	8	0.31	0.1	0.3
(1,1726)	1:176:A:ASN:HB3	1:180:A:VAL:H	8	0.31	0.1	0.3
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD11	8	0.3	0.12	0.25
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD12	8	0.3	0.12	0.25
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD13	8	0.3	0.12	0.25
(1,1361)	1:88:A:ARG:HD2	1:89:A:TYR:H	8	0.29	0.13	0.31
(1,1361)	1:88:A:ARG:HD3	1:89:A:TYR:H	8	0.29	0.13	0.31
(1,918)	1:185:A:LEU:HB3	1:186:A:GLU:H	8	0.29	0.06	0.3
(1,1354)	1:88:A:ARG:HB2	1:89:A:TYR:H	8	0.26	0.04	0.26
(1,1354)	1:88:A:ARG:HB3	1:89:A:TYR:H	8	0.26	0.04	0.26
(1,1640)	1:131:A:LYS:HB2	1:150:A:PHE:H	8	0.26	0.09	0.25
(1,1640)	1:131:A:LYS:HB3	1:150:A:PHE:H	8	0.26	0.09	0.25
(1,652)	1:128:A:ILE:H	1:192:A:VAL:HA	8	0.25	0.13	0.22
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG11	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG12	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG13	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG21	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG22	8	0.24	0.15	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG23	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG11	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG12	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG13	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG21	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG22	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG23	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG11	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG12	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG13	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG21	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG22	8	0.24	0.15	0.18
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG23	8	0.24	0.15	0.18
(1,677)	1:132:A:ALA:HB1	1:134:A:PHE:H	8	0.2	0.08	0.19
(1,677)	1:132:A:ALA:HB2	1:134:A:PHE:H	8	0.2	0.08	0.19
(1,677)	1:132:A:ALA:HB3	1:134:A:PHE:H	8	0.2	0.08	0.19
(1,981)	1:193:A:ARG:HG3	1:194:A:VAL:H	8	0.18	0.1	0.15
(1,151)	1:92:A:ASP:HA	1:132:A:ALA:H	8	0.17	0.04	0.16
(1,1247)	1:170:A:THR:HG21	1:171:A:ASP:H	8	0.16	0.04	0.16
(1,1247)	1:170:A:THR:HG22	1:171:A:ASP:H	8	0.16	0.04	0.16
(1,1247)	1:170:A:THR:HG23	1:171:A:ASP:H	8	0.16	0.04	0.16
(1,1013)	1:202:A:ALA:HA	1:203:A:TRP:H	8	0.14	0.03	0.13
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD11	8	0.12	0.02	0.12
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD12	8	0.12	0.02	0.12
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD13	8	0.12	0.02	0.12
(1,1800)	1:199:A:GLN:HB2	1:203:A:TRP:HD1	7	1.72	0.92	1.28
(1,1800)	1:199:A:GLN:HB3	1:203:A:TRP:HD1	7	1.72	0.92	1.28
(1,1188)	1:144:A:LEU:HG	1:145:A:ILE:H	7	1.63	0.17	1.64
(1,355)	1:124:A:MET:HG3	1:188:A:ASN:HB3	7	1.15	0.17	1.15
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG2	7	1.1	0.42	1.13
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG3	7	1.1	0.42	1.13
(1,595)	1:106:A:MET:HG3	1:122:A:ALA:H	7	1.09	0.4	1.24
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG2	7	0.96	0.64	1.22
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG3	7	0.96	0.64	1.22
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG2	7	0.93	0.02	0.94
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG3	7	0.93	0.02	0.94
(1,354)	1:124:A:MET:HG2	1:188:A:ASN:HB3	7	0.89	0.14	0.88
(1,1751)	1:185:A:LEU:HB2	1:186:A:GLU:H	7	0.72	0.02	0.72
(1,1751)	1:185:A:LEU:HB3	1:186:A:GLU:H	7	0.72	0.02	0.72
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG2	7	0.63	0.15	0.57
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG3	7	0.63	0.15	0.57
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG2	7	0.63	0.15	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG3	7	0.63	0.15	0.57
(1,36)	1:91:A:THR:HG21	1:133:A:ASN:HB3	7	0.61	0.51	0.38
(1,36)	1:91:A:THR:HG22	1:133:A:ASN:HB3	7	0.61	0.51	0.38
(1,36)	1:91:A:THR:HG23	1:133:A:ASN:HB3	7	0.61	0.51	0.38
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG11	7	0.61	0.07	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG12	7	0.61	0.07	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG13	7	0.61	0.07	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG21	7	0.61	0.07	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG22	7	0.61	0.07	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG23	7	0.61	0.07	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG11	7	0.61	0.07	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG12	7	0.61	0.07	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG13	7	0.61	0.07	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG21	7	0.61	0.07	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG22	7	0.61	0.07	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG23	7	0.61	0.07	0.61
(1,676)	1:91:A:THR:HG21	1:134:A:PHE:H	7	0.54	0.25	0.43
(1,676)	1:91:A:THR:HG22	1:134:A:PHE:H	7	0.54	0.25	0.43
(1,676)	1:91:A:THR:HG23	1:134:A:PHE:H	7	0.54	0.25	0.43
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD11	7	0.53	0.15	0.46
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD12	7	0.53	0.15	0.46
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD13	7	0.53	0.15	0.46
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD11	7	0.53	0.15	0.46
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD12	7	0.53	0.15	0.46
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD13	7	0.53	0.15	0.46
(1,1763)	1:185:A:LEU:HD11	1:190:A:ASN:HD21	7	0.5	0.09	0.46
(1,1763)	1:185:A:LEU:HD12	1:190:A:ASN:HD21	7	0.5	0.09	0.46
(1,1763)	1:185:A:LEU:HD13	1:190:A:ASN:HD21	7	0.5	0.09	0.46
(1,1763)	1:185:A:LEU:HD21	1:190:A:ASN:HD21	7	0.5	0.09	0.46
(1,1763)	1:185:A:LEU:HD22	1:190:A:ASN:HD21	7	0.5	0.09	0.46
(1,1763)	1:185:A:LEU:HD23	1:190:A:ASN:HD21	7	0.5	0.09	0.46
(1,612)	1:124:A:MET:H	1:124:A:MET:HB2	7	0.48	0.03	0.49
(1,1526)	1:111:A:VAL:HG11	1:115:A:LEU:H	7	0.43	0.44	0.29
(1,1526)	1:111:A:VAL:HG12	1:115:A:LEU:H	7	0.43	0.44	0.29
(1,1526)	1:111:A:VAL:HG13	1:115:A:LEU:H	7	0.43	0.44	0.29
(1,1526)	1:111:A:VAL:HG21	1:115:A:LEU:H	7	0.43	0.44	0.29
(1,1526)	1:111:A:VAL:HG22	1:115:A:LEU:H	7	0.43	0.44	0.29
(1,1526)	1:111:A:VAL:HG23	1:115:A:LEU:H	7	0.43	0.44	0.29
(1,176)	1:136:A:VAL:HG21	1:137:A:ILE:H	7	0.41	0.15	0.4
(1,176)	1:136:A:VAL:HG22	1:137:A:ILE:H	7	0.41	0.15	0.4
(1,176)	1:136:A:VAL:HG23	1:137:A:ILE:H	7	0.41	0.15	0.4
(1,1216)	1:152:A:GLU:H	1:152:A:GLU:HB3	7	0.38	0.09	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,925)	1:185:A:LEU:HB2	1:186:A:GLU:H	7	0.37	0.03	0.35
(1,158)	1:91:A:THR:HB	1:133:A:ASN:HA	7	0.34	0.1	0.3
(1,620)	1:124:A:MET:HB3	1:125:A:ASP:H	7	0.33	0.03	0.33
(1,663)	1:130:A:LEU:H	1:195:A:SER:H	7	0.32	0.16	0.3
(1,1063)	1:89:A:TYR:HD1	1:90:A:LEU:H	7	0.32	0.1	0.35
(1,1063)	1:89:A:TYR:HD2	1:90:A:LEU:H	7	0.32	0.1	0.35
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD11	7	0.31	0.0	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD12	7	0.31	0.0	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD13	7	0.31	0.0	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD21	7	0.31	0.0	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD22	7	0.31	0.0	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD23	7	0.31	0.0	0.31
(1,80)	1:112:A:ALA:HB1	1:115:A:LEU:HB2	7	0.31	0.08	0.32
(1,80)	1:112:A:ALA:HB2	1:115:A:LEU:HB2	7	0.31	0.08	0.32
(1,80)	1:112:A:ALA:HB3	1:115:A:LEU:HB2	7	0.31	0.08	0.32
(1,564)	1:117:A:ILE:HG21	1:119:A:MET:H	7	0.29	0.16	0.23
(1,564)	1:117:A:ILE:HG22	1:119:A:MET:H	7	0.29	0.16	0.23
(1,564)	1:117:A:ILE:HG23	1:119:A:MET:H	7	0.29	0.16	0.23
(1,1197)	1:132:A:ALA:HB1	1:148:A:ARG:H	7	0.25	0.12	0.23
(1,1197)	1:132:A:ALA:HB2	1:148:A:ARG:H	7	0.25	0.12	0.23
(1,1197)	1:132:A:ALA:HB3	1:148:A:ARG:H	7	0.25	0.12	0.23
(1,1124)	1:112:A:ALA:HB1	1:117:A:ILE:H	7	0.23	0.07	0.19
(1,1124)	1:112:A:ALA:HB2	1:117:A:ILE:H	7	0.23	0.07	0.19
(1,1124)	1:112:A:ALA:HB3	1:117:A:ILE:H	7	0.23	0.07	0.19
(1,1196)	1:132:A:ALA:HA	1:148:A:ARG:H	7	0.23	0.04	0.23
(1,1244)	1:165:A:SER:HA	1:166:A:LEU:H	7	0.22	0.06	0.23
(1,1192)	1:145:A:ILE:HD11	1:146:A:LEU:H	7	0.2	0.08	0.19
(1,1192)	1:145:A:ILE:HD12	1:146:A:LEU:H	7	0.2	0.08	0.19
(1,1192)	1:145:A:ILE:HD13	1:146:A:LEU:H	7	0.2	0.08	0.19
(1,1031)	1:147:A:LEU:HG	1:160:A:ILE:HB	7	0.2	0.05	0.2
(1,17)	1:88:A:ARG:HG2	1:89:A:TYR:H	7	0.19	0.05	0.19
(1,916)	1:185:A:LEU:H	1:185:A:LEU:HB2	7	0.17	0.01	0.17
(1,718)	1:146:A:LEU:HB2	1:147:A:LEU:H	7	0.17	0.04	0.17
(1,718)	1:146:A:LEU:HB3	1:147:A:LEU:H	7	0.17	0.04	0.17
(1,528)	1:105:A:LEU:HD11	1:106:A:MET:H	7	0.16	0.04	0.15
(1,528)	1:105:A:LEU:HD12	1:106:A:MET:H	7	0.16	0.04	0.15
(1,528)	1:105:A:LEU:HD13	1:106:A:MET:H	7	0.16	0.04	0.15
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG2	6	1.45	0.77	1.4
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG3	6	1.45	0.77	1.4
(1,68)	1:106:A:MET:HG3	1:122:A:ALA:HA	6	1.22	0.17	1.22
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG12	6	1.18	0.3	1.16
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG13	6	1.18	0.3	1.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG11	6	1.02	0.58	0.82
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG12	6	1.02	0.58	0.82
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG13	6	1.02	0.58	0.82
(1,403)	1:194:A:VAL:HG11	1:203:A:TRP:HB2	6	0.89	0.44	0.82
(1,403)	1:194:A:VAL:HG12	1:203:A:TRP:HB2	6	0.89	0.44	0.82
(1,403)	1:194:A:VAL:HG13	1:203:A:TRP:HB2	6	0.89	0.44	0.82
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD11	6	0.8	0.37	0.82
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD12	6	0.8	0.37	0.82
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD13	6	0.8	0.37	0.82
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD11	6	0.8	0.37	0.82
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD12	6	0.8	0.37	0.82
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD13	6	0.8	0.37	0.82
(1,1193)	1:144:A:LEU:HD11	1:147:A:LEU:H	6	0.73	0.45	0.65
(1,1193)	1:144:A:LEU:HD12	1:147:A:LEU:H	6	0.73	0.45	0.65
(1,1193)	1:144:A:LEU:HD13	1:147:A:LEU:H	6	0.73	0.45	0.65
(1,1193)	1:144:A:LEU:HD21	1:147:A:LEU:H	6	0.73	0.45	0.65
(1,1193)	1:144:A:LEU:HD22	1:147:A:LEU:H	6	0.73	0.45	0.65
(1,1193)	1:144:A:LEU:HD23	1:147:A:LEU:H	6	0.73	0.45	0.65
(1,194)	1:144:A:LEU:HD11	1:146:A:LEU:HA	6	0.66	0.34	0.58
(1,194)	1:144:A:LEU:HD12	1:146:A:LEU:HA	6	0.66	0.34	0.58
(1,194)	1:144:A:LEU:HD13	1:146:A:LEU:HA	6	0.66	0.34	0.58
(1,194)	1:144:A:LEU:HD21	1:146:A:LEU:HA	6	0.66	0.34	0.58
(1,194)	1:144:A:LEU:HD22	1:146:A:LEU:HA	6	0.66	0.34	0.58
(1,194)	1:144:A:LEU:HD23	1:146:A:LEU:HA	6	0.66	0.34	0.58
(1,29)	1:90:A:LEU:HD21	1:197:A:THR:HB	6	0.62	0.29	0.55
(1,29)	1:90:A:LEU:HD22	1:197:A:THR:HB	6	0.62	0.29	0.55
(1,29)	1:90:A:LEU:HD23	1:197:A:THR:HB	6	0.62	0.29	0.55
(1,147)	1:130:A:LEU:HD21	1:149:A:ALA:HA	6	0.6	0.15	0.56
(1,147)	1:130:A:LEU:HD22	1:149:A:ALA:HA	6	0.6	0.15	0.56
(1,147)	1:130:A:LEU:HD23	1:149:A:ALA:HA	6	0.6	0.15	0.56
(1,175)	1:87:A:SER:HB2	1:136:A:VAL:H	6	0.56	0.26	0.62
(1,175)	1:87:A:SER:HB3	1:136:A:VAL:H	6	0.56	0.26	0.62
(1,759)	1:152:A:GLU:H	1:152:A:GLU:HG3	6	0.55	0.05	0.54
(1,1175)	1:135:A:SER:H	1:144:A:LEU:HA	6	0.51	0.3	0.42
(1,160)	1:93:A:MET:HE1	1:133:A:ASN:HB3	6	0.5	0.22	0.5
(1,160)	1:93:A:MET:HE2	1:133:A:ASN:HB3	6	0.5	0.22	0.5
(1,160)	1:93:A:MET:HE3	1:133:A:ASN:HB3	6	0.5	0.22	0.5
(1,121)	1:125:A:ASP:H	1:188:A:ASN:HB3	6	0.5	0.26	0.54
(1,537)	1:108:A:LYS:HG2	1:109:A:GLN:H	6	0.49	0.3	0.49
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB1	6	0.48	0.23	0.44
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB2	6	0.48	0.23	0.44
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB3	6	0.48	0.23	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG12	6	0.46	0.11	0.49
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG13	6	0.46	0.11	0.49
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG2	6	0.42	0.01	0.42
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG3	6	0.42	0.01	0.42
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD21	6	0.4	0.1	0.4
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD22	6	0.4	0.1	0.4
(1,937)	1:188:A:ASN:H	1:190:A:ASN:H	6	0.38	0.16	0.37
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE1	6	0.37	0.33	0.24
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE2	6	0.37	0.33	0.24
(1,757)	1:152:A:GLU:H	1:152:A:GLU:HB2	6	0.35	0.01	0.36
(1,758)	1:152:A:GLU:H	1:152:A:GLU:HG2	6	0.28	0.03	0.29
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG21	6	0.25	0.13	0.2
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG22	6	0.25	0.13	0.2
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG23	6	0.25	0.13	0.2
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG21	6	0.25	0.13	0.2
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG22	6	0.25	0.13	0.2
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG23	6	0.25	0.13	0.2
(1,1404)	1:95:A:LEU:HD11	1:98:A:MET:H	6	0.24	0.1	0.23
(1,1404)	1:95:A:LEU:HD12	1:98:A:MET:H	6	0.24	0.1	0.23
(1,1404)	1:95:A:LEU:HD13	1:98:A:MET:H	6	0.24	0.1	0.23
(1,1404)	1:95:A:LEU:HD21	1:98:A:MET:H	6	0.24	0.1	0.23
(1,1404)	1:95:A:LEU:HD22	1:98:A:MET:H	6	0.24	0.1	0.23
(1,1404)	1:95:A:LEU:HD23	1:98:A:MET:H	6	0.24	0.1	0.23
(1,1101)	1:107:A:PRO:HB2	1:108:A:LYS:H	6	0.24	0.07	0.24
(1,236)	1:152:A:GLU:HA	1:152:A:GLU:HB3	6	0.23	0.01	0.24
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD11	6	0.22	0.1	0.22
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD12	6	0.22	0.1	0.22
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD13	6	0.22	0.1	0.22
(1,826)	1:169:A:HIS:HB3	1:170:A:THR:H	6	0.2	0.09	0.16
(1,1535)	1:115:A:LEU:HD11	1:116:A:CYS:H	6	0.18	0.08	0.16
(1,1535)	1:115:A:LEU:HD12	1:116:A:CYS:H	6	0.18	0.08	0.16
(1,1535)	1:115:A:LEU:HD13	1:116:A:CYS:H	6	0.18	0.08	0.16
(1,1535)	1:115:A:LEU:HD21	1:116:A:CYS:H	6	0.18	0.08	0.16
(1,1535)	1:115:A:LEU:HD22	1:116:A:CYS:H	6	0.18	0.08	0.16
(1,1535)	1:115:A:LEU:HD23	1:116:A:CYS:H	6	0.18	0.08	0.16
(1,1173)	1:134:A:PHE:H	1:135:A:SER:HA	6	0.16	0.05	0.16
(1,1272)	1:178:A:VAL:HG11	1:179:A:GLY:H	6	0.16	0.02	0.16
(1,1272)	1:178:A:VAL:HG12	1:179:A:GLY:H	6	0.16	0.02	0.16
(1,1272)	1:178:A:VAL:HG13	1:179:A:GLY:H	6	0.16	0.02	0.16
(1,667)	1:131:A:LYS:H	1:149:A:ALA:H	6	0.16	0.06	0.15
(1,751)	1:150:A:PHE:HD1	1:151:A:THR:H	6	0.15	0.01	0.15
(1,751)	1:150:A:PHE:HD2	1:151:A:THR:H	6	0.15	0.01	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB2	6	0.14	0.03	0.13
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB3	6	0.14	0.03	0.13
(1,760)	1:151:A:THR:HA	1:153:A:GLU:H	6	0.13	0.03	0.12
(1,1131)	1:118:A:ARG:H	1:119:A:MET:HA	6	0.12	0.02	0.12
(1,433)	1:109:A:GLN:HG3	1:118:A:ARG:H	5	1.75	1.21	2.62
(1,589)	1:121:A:GLN:H	1:121:A:GLN:HG2	5	0.93	0.39	1.18
(1,1708)	1:171:A:ASP:HB2	1:175:A:LYS:HB2	5	0.81	0.35	0.87
(1,1708)	1:171:A:ASP:HB2	1:175:A:LYS:HB3	5	0.81	0.35	0.87
(1,1708)	1:171:A:ASP:HB3	1:175:A:LYS:HB2	5	0.81	0.35	0.87
(1,1708)	1:171:A:ASP:HB3	1:175:A:LYS:HB3	5	0.81	0.35	0.87
(1,415)	1:182:A:ILE:HD11	1:203:A:TRP:HZ2	5	0.8	0.49	0.48
(1,415)	1:182:A:ILE:HD12	1:203:A:TRP:HZ2	5	0.8	0.49	0.48
(1,415)	1:182:A:ILE:HD13	1:203:A:TRP:HZ2	5	0.8	0.49	0.48
(1,458)	1:90:A:LEU:HD21	1:91:A:THR:H	5	0.79	0.37	0.79
(1,458)	1:90:A:LEU:HD22	1:91:A:THR:H	5	0.79	0.37	0.79
(1,458)	1:90:A:LEU:HD23	1:91:A:THR:H	5	0.79	0.37	0.79
(1,1782)	1:194:A:VAL:HG11	1:203:A:TRP:HB2	5	0.7	0.27	0.54
(1,1782)	1:194:A:VAL:HG12	1:203:A:TRP:HB2	5	0.7	0.27	0.54
(1,1782)	1:194:A:VAL:HG13	1:203:A:TRP:HB2	5	0.7	0.27	0.54
(1,1782)	1:194:A:VAL:HG21	1:203:A:TRP:HB2	5	0.7	0.27	0.54
(1,1782)	1:194:A:VAL:HG22	1:203:A:TRP:HB2	5	0.7	0.27	0.54
(1,1782)	1:194:A:VAL:HG23	1:203:A:TRP:HB2	5	0.7	0.27	0.54
(1,1340)	1:134:A:PHE:HE1	1:201:A:PHE:HD1	5	0.62	0.3	0.78
(1,1340)	1:134:A:PHE:HE1	1:201:A:PHE:HD2	5	0.62	0.3	0.78
(1,1340)	1:134:A:PHE:HE2	1:201:A:PHE:HD1	5	0.62	0.3	0.78
(1,1340)	1:134:A:PHE:HE2	1:201:A:PHE:HD2	5	0.62	0.3	0.78
(1,1590)	1:124:A:MET:HB2	1:125:A:ASP:HB3	5	0.61	0.2	0.7
(1,1590)	1:124:A:MET:HB3	1:125:A:ASP:HB3	5	0.61	0.2	0.7
(1,148)	1:130:A:LEU:HG	1:194:A:VAL:HA	5	0.54	0.31	0.72
(1,2)	1:136:A:VAL:HA	1:142:A:GLU:H	5	0.53	0.21	0.55
(1,669)	1:132:A:ALA:H	1:134:A:PHE:HD1	5	0.52	0.34	0.51
(1,669)	1:132:A:ALA:H	1:134:A:PHE:HD2	5	0.52	0.34	0.51
(1,404)	1:194:A:VAL:HG21	1:203:A:TRP:HB2	5	0.51	0.27	0.49
(1,404)	1:194:A:VAL:HG22	1:203:A:TRP:HB2	5	0.51	0.27	0.49
(1,404)	1:194:A:VAL:HG23	1:203:A:TRP:HB2	5	0.51	0.27	0.49
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG21	5	0.47	0.32	0.4
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG22	5	0.47	0.32	0.4
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG23	5	0.47	0.32	0.4
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG21	5	0.47	0.32	0.4
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG22	5	0.47	0.32	0.4
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG23	5	0.47	0.32	0.4
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG21	5	0.47	0.32	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG22	5	0.47	0.32	0.4
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG23	5	0.47	0.32	0.4
(1,1016)	1:203:A:TRP:H	1:203:A:TRP:HB3	5	0.45	0.03	0.43
(1,1622)	1:129:A:ILE:HD11	1:193:A:ARG:HB2	5	0.45	0.21	0.51
(1,1622)	1:129:A:ILE:HD11	1:193:A:ARG:HB3	5	0.45	0.21	0.51
(1,1622)	1:129:A:ILE:HD12	1:193:A:ARG:HB2	5	0.45	0.21	0.51
(1,1622)	1:129:A:ILE:HD12	1:193:A:ARG:HB3	5	0.45	0.21	0.51
(1,1622)	1:129:A:ILE:HD13	1:193:A:ARG:HB2	5	0.45	0.21	0.51
(1,1622)	1:129:A:ILE:HD13	1:193:A:ARG:HB3	5	0.45	0.21	0.51
(1,1372)	1:90:A:LEU:HD11	1:136:A:VAL:H	5	0.45	0.27	0.27
(1,1372)	1:90:A:LEU:HD12	1:136:A:VAL:H	5	0.45	0.27	0.27
(1,1372)	1:90:A:LEU:HD13	1:136:A:VAL:H	5	0.45	0.27	0.27
(1,1372)	1:90:A:LEU:HD21	1:136:A:VAL:H	5	0.45	0.27	0.27
(1,1372)	1:90:A:LEU:HD22	1:136:A:VAL:H	5	0.45	0.27	0.27
(1,1372)	1:90:A:LEU:HD23	1:136:A:VAL:H	5	0.45	0.27	0.27
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD11	5	0.42	0.27	0.35
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD12	5	0.42	0.27	0.35
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD13	5	0.42	0.27	0.35
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD11	5	0.42	0.27	0.35
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD12	5	0.42	0.27	0.35
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD13	5	0.42	0.27	0.35
(1,339)	1:182:A:ILE:HD11	1:192:A:VAL:HB	5	0.38	0.15	0.4
(1,339)	1:182:A:ILE:HD12	1:192:A:VAL:HB	5	0.38	0.15	0.4
(1,339)	1:182:A:ILE:HD13	1:192:A:VAL:HB	5	0.38	0.15	0.4
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG21	5	0.37	0.14	0.4
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG22	5	0.37	0.14	0.4
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG23	5	0.37	0.14	0.4
(1,333)	1:181:A:LEU:HG	1:182:A:ILE:HA	5	0.33	0.26	0.25
(1,1104)	1:108:A:LYS:H	1:121:A:GLN:H	5	0.28	0.08	0.25
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD21	5	0.27	0.15	0.17
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD22	5	0.27	0.15	0.17
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD23	5	0.27	0.15	0.17
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG21	5	0.26	0.12	0.27
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG22	5	0.26	0.12	0.27
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG23	5	0.26	0.12	0.27
(1,1487)	1:108:A:LYS:HB2	1:121:A:GLN:H	5	0.26	0.14	0.23
(1,1487)	1:108:A:LYS:HB3	1:121:A:GLN:H	5	0.26	0.14	0.23
(1,1636)	1:130:A:LEU:HD11	1:194:A:VAL:HA	5	0.25	0.09	0.29
(1,1636)	1:130:A:LEU:HD12	1:194:A:VAL:HA	5	0.25	0.09	0.29
(1,1636)	1:130:A:LEU:HD13	1:194:A:VAL:HA	5	0.25	0.09	0.29
(1,1636)	1:130:A:LEU:HD21	1:194:A:VAL:HA	5	0.25	0.09	0.29
(1,1636)	1:130:A:LEU:HD22	1:194:A:VAL:HA	5	0.25	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)
(1,1636)	1:130:A:LEU:HD23	1:194:A:VAL:HA	5	0.25	0.09	0.29
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG21	5	0.25	0.09	0.27
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG22	5	0.25	0.09	0.27
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG23	5	0.25	0.09	0.27
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG21	5	0.25	0.09	0.27
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG22	5	0.25	0.09	0.27
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG23	5	0.25	0.09	0.27
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG21	5	0.21	0.05	0.24
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG22	5	0.21	0.05	0.24
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG23	5	0.21	0.05	0.24
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG21	5	0.21	0.05	0.24
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG22	5	0.21	0.05	0.24
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG23	5	0.21	0.05	0.24
(1,1249)	1:171:A:ASP:H	1:172:A:GLU:HB2	5	0.2	0.08	0.17
(1,1249)	1:171:A:ASP:H	1:172:A:GLU:HB3	5	0.2	0.08	0.17
(1,814)	1:117:A:ILE:HA	1:161:A:SER:H	5	0.19	0.06	0.18
(1,813)	1:116:A:CYS:HB3	1:161:A:SER:H	5	0.18	0.07	0.13
(1,301)	1:172:A:GLU:HG2	1:173:A:ASP:H	5	0.17	0.09	0.12
(1,301)	1:172:A:GLU:HG3	1:173:A:ASP:H	5	0.17	0.09	0.12
(1,1428)	1:99:A:SER:HB2	1:100:A:ARG:H	5	0.15	0.04	0.14
(1,1428)	1:99:A:SER:HB3	1:100:A:ARG:H	5	0.15	0.04	0.14
(1,912)	1:181:A:LEU:HA	1:185:A:LEU:H	5	0.14	0.03	0.13
(1,1195)	1:147:A:LEU:H	1:148:A:ARG:HA	5	0.11	0.0	0.11
(1,1123)	1:109:A:GLN:HG2	1:117:A:ILE:H	4	1.74	0.84	1.99
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD21	4	1.08	0.85	1.07
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD22	4	1.08	0.85	1.07
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD23	4	1.08	0.85	1.07
(1,142)	1:129:A:ILE:HD11	1:193:A:ARG:HD2	4	0.98	0.62	0.98
(1,142)	1:129:A:ILE:HD12	1:193:A:ARG:HD2	4	0.98	0.62	0.98
(1,142)	1:129:A:ILE:HD13	1:193:A:ARG:HD2	4	0.98	0.62	0.98
(1,1569)	1:121:A:GLN:H	1:121:A:GLN:HG2	4	0.97	0.14	1.04
(1,1569)	1:121:A:GLN:H	1:121:A:GLN:HG3	4	0.97	0.14	1.04
(1,414)	1:182:A:ILE:HD11	1:203:A:TRP:HH2	4	0.86	0.83	0.44
(1,414)	1:182:A:ILE:HD12	1:203:A:TRP:HH2	4	0.86	0.83	0.44
(1,414)	1:182:A:ILE:HD13	1:203:A:TRP:HH2	4	0.86	0.83	0.44
(1,1050)	1:137:A:ILE:HA	1:140:A:ARG:H	4	0.84	0.22	0.83
(1,84)	1:115:A:LEU:HG	1:173:A:ASP:HA	4	0.82	0.67	0.82
(1,567)	1:118:A:ARG:HB3	1:119:A:MET:H	4	0.55	0.19	0.52
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG11	4	0.48	0.19	0.38
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG12	4	0.48	0.19	0.38
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG13	4	0.48	0.19	0.38
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG21	4	0.48	0.19	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG22	4	0.48	0.19	0.38
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG23	4	0.48	0.19	0.38
(1,1208)	1:128:A:ILE:HG21	1:151:A:THR:H	4	0.38	0.2	0.32
(1,1208)	1:128:A:ILE:HG22	1:151:A:THR:H	4	0.38	0.2	0.32
(1,1208)	1:128:A:ILE:HG23	1:151:A:THR:H	4	0.38	0.2	0.32
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG21	4	0.36	0.19	0.34
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG22	4	0.36	0.19	0.34
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG23	4	0.36	0.19	0.34
(1,1048)	1:130:A:LEU:H	1:192:A:VAL:HA	4	0.34	0.2	0.36
(1,394)	1:194:A:VAL:HB	1:199:A:GLN:HA	4	0.34	0.12	0.4
(1,648)	1:128:A:ILE:H	1:128:A:ILE:HG13	4	0.34	0.07	0.34
(1,1018)	1:203:A:TRP:H	1:204:A:ARG:HB2	4	0.33	0.23	0.2
(1,1018)	1:203:A:TRP:H	1:204:A:ARG:HB3	4	0.33	0.23	0.2
(1,266)	1:128:A:ILE:HG21	1:157:A:VAL:H	4	0.32	0.08	0.32
(1,266)	1:128:A:ILE:HG22	1:157:A:VAL:H	4	0.32	0.08	0.32
(1,266)	1:128:A:ILE:HG23	1:157:A:VAL:H	4	0.32	0.08	0.32
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB1	4	0.31	0.1	0.29
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB2	4	0.31	0.1	0.29
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB3	4	0.31	0.1	0.29
(1,1103)	1:108:A:LYS:H	1:118:A:ARG:HA	4	0.31	0.16	0.32
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG21	4	0.3	0.13	0.32
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG22	4	0.3	0.13	0.32
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG23	4	0.3	0.13	0.32
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG21	4	0.3	0.13	0.32
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG22	4	0.3	0.13	0.32
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG23	4	0.3	0.13	0.32
(1,1653)	1:136:A:VAL:HG11	1:140:A:ARG:H	4	0.29	0.12	0.28
(1,1653)	1:136:A:VAL:HG12	1:140:A:ARG:H	4	0.29	0.12	0.28
(1,1653)	1:136:A:VAL:HG13	1:140:A:ARG:H	4	0.29	0.12	0.28
(1,1653)	1:136:A:VAL:HG21	1:140:A:ARG:H	4	0.29	0.12	0.28
(1,1653)	1:136:A:VAL:HG22	1:140:A:ARG:H	4	0.29	0.12	0.28
(1,1653)	1:136:A:VAL:HG23	1:140:A:ARG:H	4	0.29	0.12	0.28
(1,1083)	1:94:A:THR:H	1:98:A:MET:H	4	0.29	0.12	0.24
(1,624)	1:125:A:ASP:H	1:190:A:ASN:H	4	0.28	0.04	0.29
(1,950)	1:189:A:ASP:HB2	1:190:A:ASN:H	4	0.24	0.03	0.24
(1,314)	1:177:A:ALA:HB1	1:180:A:VAL:HB	4	0.23	0.12	0.2
(1,314)	1:177:A:ALA:HB2	1:180:A:VAL:HB	4	0.23	0.12	0.2
(1,314)	1:177:A:ALA:HB3	1:180:A:VAL:HB	4	0.23	0.12	0.2
(1,1583)	1:123:A:ILE:HG12	1:157:A:VAL:HA	4	0.23	0.09	0.23
(1,1583)	1:123:A:ILE:HG13	1:157:A:VAL:HA	4	0.23	0.09	0.23
(1,1493)	1:108:A:LYS:HG2	1:119:A:MET:H	4	0.22	0.1	0.19
(1,1493)	1:108:A:LYS:HG3	1:119:A:MET:H	4	0.22	0.1	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,625)	1:123:A:ILE:HG21	1:126:A:LYS:H	4	0.2	0.13	0.14
(1,625)	1:123:A:ILE:HG22	1:126:A:LYS:H	4	0.2	0.13	0.14
(1,625)	1:123:A:ILE:HG23	1:126:A:LYS:H	4	0.2	0.13	0.14
(1,948)	1:188:A:ASN:HB3	1:190:A:ASN:H	4	0.2	0.04	0.2
(1,1705)	1:171:A:ASP:HB2	1:172:A:GLU:HA	4	0.19	0.03	0.17
(1,1705)	1:171:A:ASP:HB3	1:172:A:GLU:HA	4	0.19	0.03	0.17
(1,495)	1:98:A:MET:H	1:100:A:ARG:H	4	0.18	0.06	0.18
(1,789)	1:150:A:PHE:HA	1:158:A:GLY:H	4	0.17	0.06	0.15
(1,106)	1:122:A:ALA:H	1:123:A:ILE:HB	4	0.16	0.03	0.16
(1,766)	1:151:A:THR:HA	1:154:A:GLY:H	4	0.16	0.04	0.16
(1,978)	1:193:A:ARG:H	1:194:A:VAL:H	4	0.15	0.03	0.15
(1,1421)	1:98:A:MET:H	1:99:A:SER:HB2	4	0.15	0.06	0.12
(1,1421)	1:98:A:MET:H	1:99:A:SER:HB3	4	0.15	0.06	0.12
(1,1088)	1:98:A:MET:HB2	1:99:A:SER:H	4	0.14	0.02	0.15
(1,459)	1:91:A:THR:H	1:91:A:THR:HG21	4	0.14	0.01	0.15
(1,459)	1:91:A:THR:H	1:91:A:THR:HG22	4	0.14	0.01	0.15
(1,459)	1:91:A:THR:H	1:91:A:THR:HG23	4	0.14	0.01	0.15
(1,1300)	1:192:A:VAL:HB	1:193:A:ARG:H	4	0.12	0.02	0.12
(1,1321)	1:200:A:ARG:HB3	1:201:A:PHE:H	4	0.12	0.0	0.12
(1,1318)	1:200:A:ARG:H	1:200:A:ARG:HB3	4	0.1	0.0	0.1
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG11	3	2.82	0.65	3.14
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG12	3	2.82	0.65	3.14
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG13	3	2.82	0.65	3.14
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG21	3	2.82	0.65	3.14
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG22	3	2.82	0.65	3.14
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG23	3	2.82	0.65	3.14
(1,5)	1:197:A:THR:HB	1:201:A:PHE:HE1	3	2.43	1.05	1.96
(1,5)	1:197:A:THR:HB	1:201:A:PHE:HE2	3	2.43	1.05	1.96
(1,1543)	1:115:A:LEU:HD11	1:169:A:HIS:HE1	3	1.58	1.0	2.02
(1,1543)	1:115:A:LEU:HD12	1:169:A:HIS:HE1	3	1.58	1.0	2.02
(1,1543)	1:115:A:LEU:HD13	1:169:A:HIS:HE1	3	1.58	1.0	2.02
(1,1543)	1:115:A:LEU:HD21	1:169:A:HIS:HE1	3	1.58	1.0	2.02
(1,1543)	1:115:A:LEU:HD22	1:169:A:HIS:HE1	3	1.58	1.0	2.02
(1,1543)	1:115:A:LEU:HD23	1:169:A:HIS:HE1	3	1.58	1.0	2.02
(1,94)	1:117:A:ILE:HG13	1:160:A:ILE:HA	3	1.51	0.18	1.42
(1,1491)	1:108:A:LYS:HG2	1:109:A:GLN:HA	3	1.46	0.12	1.41
(1,1491)	1:108:A:LYS:HG3	1:109:A:GLN:HA	3	1.46	0.12	1.41
(1,385)	1:196:A:GLU:H	1:197:A:THR:HG21	3	1.26	0.03	1.27
(1,385)	1:196:A:GLU:H	1:197:A:THR:HG22	3	1.26	0.03	1.27
(1,385)	1:196:A:GLU:H	1:197:A:THR:HG23	3	1.26	0.03	1.27
(1,538)	1:109:A:GLN:HG2	1:110:A:LYS:H	3	1.24	0.16	1.2
(1,388)	1:196:A:GLU:HB3	1:197:A:THR:HA	3	1.19	0.02	1.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1105)	1:108:A:LYS:HG3	1:109:A:GLN:H	3	1.14	0.25	1.11
(1,877)	1:179:A:GLY:H	1:182:A:ILE:HD11	3	1.1	0.57	1.44
(1,877)	1:179:A:GLY:H	1:182:A:ILE:HD12	3	1.1	0.57	1.44
(1,877)	1:179:A:GLY:H	1:182:A:ILE:HD13	3	1.1	0.57	1.44
(1,1490)	1:108:A:LYS:HG2	1:109:A:GLN:H	3	0.98	0.09	1.04
(1,1490)	1:108:A:LYS:HG3	1:109:A:GLN:H	3	0.98	0.09	1.04
(1,1109)	1:109:A:GLN:HG3	1:110:A:LYS:H	3	0.94	0.02	0.95
(1,1550)	1:117:A:ILE:H	1:118:A:ARG:HG2	3	0.93	0.56	0.62
(1,1550)	1:117:A:ILE:H	1:118:A:ARG:HG3	3	0.93	0.56	0.62
(1,1042)	1:136:A:VAL:H	1:142:A:GLU:HB2	3	0.88	0.33	0.82
(1,1042)	1:136:A:VAL:H	1:142:A:GLU:HB3	3	0.88	0.33	0.82
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD11	3	0.83	0.39	0.69
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD12	3	0.83	0.39	0.69
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD13	3	0.83	0.39	0.69
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD21	3	0.83	0.39	0.69
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD22	3	0.83	0.39	0.69
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD23	3	0.83	0.39	0.69
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD11	3	0.83	0.39	0.69
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD12	3	0.83	0.39	0.69
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD13	3	0.83	0.39	0.69
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD21	3	0.83	0.39	0.69
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD22	3	0.83	0.39	0.69
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD23	3	0.83	0.39	0.69
(1,1053)	1:136:A:VAL:HB	1:140:A:ARG:H	3	0.8	0.47	1.12
(1,1494)	1:108:A:LYS:HG2	1:121:A:GLN:HG2	3	0.78	0.33	0.84
(1,1494)	1:108:A:LYS:HG2	1:121:A:GLN:HG3	3	0.78	0.33	0.84
(1,1494)	1:108:A:LYS:HG3	1:121:A:GLN:HG2	3	0.78	0.33	0.84
(1,1494)	1:108:A:LYS:HG3	1:121:A:GLN:HG3	3	0.78	0.33	0.84
(1,980)	1:193:A:ARG:HB3	1:194:A:VAL:H	3	0.77	0.21	0.63
(1,970)	1:192:A:VAL:H	1:192:A:VAL:HB	3	0.74	0.07	0.75
(1,1182)	1:136:A:VAL:HB	1:137:A:ILE:H	3	0.71	0.29	0.9
(1,258)	1:100:A:ARG:HD3	1:156:A:ILE:HD11	3	0.64	0.57	0.35
(1,258)	1:100:A:ARG:HD3	1:156:A:ILE:HD12	3	0.64	0.57	0.35
(1,258)	1:100:A:ARG:HD3	1:156:A:ILE:HD13	3	0.64	0.57	0.35
(1,189)	1:87:A:SER:HA	1:137:A:ILE:HG12	3	0.61	0.5	0.31
(1,189)	1:87:A:SER:HA	1:137:A:ILE:HG13	3	0.61	0.5	0.31
(1,11)	1:191:A:THR:HA	1:192:A:VAL:HB	3	0.58	0.07	0.55
(1,1052)	1:138:A:PHE:HB2	1:140:A:ARG:H	3	0.55	0.43	0.34
(1,1052)	1:138:A:PHE:HB3	1:140:A:ARG:H	3	0.55	0.43	0.34
(1,1308)	1:196:A:GLU:H	1:196:A:GLU:HB2	3	0.54	0.04	0.54
(1,1333)	1:134:A:PHE:HE1	1:136:A:VAL:HG11	3	0.52	0.23	0.57
(1,1333)	1:134:A:PHE:HE1	1:136:A:VAL:HG12	3	0.52	0.23	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1333)	1:134:A:PHE:HE1	1:136:A:VAL:HG13	3	0.52	0.23	0.57
(1,1333)	1:134:A:PHE:HE2	1:136:A:VAL:HG11	3	0.52	0.23	0.57
(1,1333)	1:134:A:PHE:HE2	1:136:A:VAL:HG12	3	0.52	0.23	0.57
(1,1333)	1:134:A:PHE:HE2	1:136:A:VAL:HG13	3	0.52	0.23	0.57
(1,1391)	1:94:A:THR:H	1:97:A:GLU:HG2	3	0.51	0.28	0.68
(1,1391)	1:94:A:THR:H	1:97:A:GLU:HG3	3	0.51	0.28	0.68
(1,1019)	1:203:A:TRP:HA	1:204:A:ARG:H	3	0.49	0.01	0.49
(1,807)	1:159:A:GLU:H	1:181:A:LEU:HD21	3	0.46	0.43	0.18
(1,807)	1:159:A:GLU:H	1:181:A:LEU:HD22	3	0.46	0.43	0.18
(1,807)	1:159:A:GLU:H	1:181:A:LEU:HD23	3	0.46	0.43	0.18
(1,376)	1:193:A:ARG:H	1:193:A:ARG:HG3	3	0.45	0.13	0.43
(1,992)	1:197:A:THR:H	1:197:A:THR:HG21	3	0.45	0.06	0.49
(1,992)	1:197:A:THR:H	1:197:A:THR:HG22	3	0.45	0.06	0.49
(1,992)	1:197:A:THR:H	1:197:A:THR:HG23	3	0.45	0.06	0.49
(1,1443)	1:100:A:ARG:HD2	1:156:A:ILE:HD11	3	0.45	0.39	0.23
(1,1443)	1:100:A:ARG:HD2	1:156:A:ILE:HD12	3	0.45	0.39	0.23
(1,1443)	1:100:A:ARG:HD2	1:156:A:ILE:HD13	3	0.45	0.39	0.23
(1,1443)	1:100:A:ARG:HD3	1:156:A:ILE:HD11	3	0.45	0.39	0.23
(1,1443)	1:100:A:ARG:HD3	1:156:A:ILE:HD12	3	0.45	0.39	0.23
(1,1443)	1:100:A:ARG:HD3	1:156:A:ILE:HD13	3	0.45	0.39	0.23
(1,699)	1:137:A:ILE:H	1:140:A:ARG:H	3	0.43	0.2	0.56
(1,82)	1:115:A:LEU:HD11	1:162:A:PRO:HA	3	0.41	0.18	0.32
(1,82)	1:115:A:LEU:HD12	1:162:A:PRO:HA	3	0.41	0.18	0.32
(1,82)	1:115:A:LEU:HD13	1:162:A:PRO:HA	3	0.41	0.18	0.32
(1,1071)	1:92:A:ASP:H	1:132:A:ALA:HB1	3	0.41	0.16	0.42
(1,1071)	1:92:A:ASP:H	1:132:A:ALA:HB2	3	0.41	0.16	0.42
(1,1071)	1:92:A:ASP:H	1:132:A:ALA:HB3	3	0.41	0.16	0.42
(1,1537)	1:115:A:LEU:HD11	1:161:A:SER:HA	3	0.4	0.2	0.31
(1,1537)	1:115:A:LEU:HD12	1:161:A:SER:HA	3	0.4	0.2	0.31
(1,1537)	1:115:A:LEU:HD13	1:161:A:SER:HA	3	0.4	0.2	0.31
(1,1537)	1:115:A:LEU:HD21	1:161:A:SER:HA	3	0.4	0.2	0.31
(1,1537)	1:115:A:LEU:HD22	1:161:A:SER:HA	3	0.4	0.2	0.31
(1,1537)	1:115:A:LEU:HD23	1:161:A:SER:HA	3	0.4	0.2	0.31
(1,534)	1:108:A:LYS:H	1:108:A:LYS:HB3	3	0.38	0.04	0.41
(1,389)	1:196:A:GLU:HB3	1:197:A:THR:H	3	0.37	0.02	0.37
(1,859)	1:175:A:LYS:HB2	1:176:A:ASN:H	3	0.35	0.08	0.35
(1,859)	1:175:A:LYS:HB3	1:176:A:ASN:H	3	0.35	0.08	0.35
(1,1629)	1:130:A:LEU:HD11	1:131:A:LYS:H	3	0.32	0.05	0.34
(1,1629)	1:130:A:LEU:HD12	1:131:A:LYS:H	3	0.32	0.05	0.34
(1,1629)	1:130:A:LEU:HD13	1:131:A:LYS:H	3	0.32	0.05	0.34
(1,1629)	1:130:A:LEU:HD21	1:131:A:LYS:H	3	0.32	0.05	0.34
(1,1629)	1:130:A:LEU:HD22	1:131:A:LYS:H	3	0.32	0.05	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1629)	1:130:A:LEU:HD23	1:131:A:LYS:H	3	0.32	0.05	0.34
(1,322)	1:112:A:ALA:HB1	1:180:A:VAL:H	3	0.3	0.14	0.24
(1,322)	1:112:A:ALA:HB2	1:180:A:VAL:H	3	0.3	0.14	0.24
(1,322)	1:112:A:ALA:HB3	1:180:A:VAL:H	3	0.3	0.14	0.24
(1,350)	1:187:A:ARG:HB2	1:188:A:ASN:HA	3	0.3	0.05	0.29
(1,350)	1:187:A:ARG:HB3	1:188:A:ASN:HA	3	0.3	0.05	0.29
(1,771)	1:150:A:PHE:HB3	1:155:A:ALA:H	3	0.3	0.06	0.3
(1,1773)	1:192:A:VAL:HG11	1:193:A:ARG:H	3	0.28	0.02	0.28
(1,1773)	1:192:A:VAL:HG12	1:193:A:ARG:H	3	0.28	0.02	0.28
(1,1773)	1:192:A:VAL:HG13	1:193:A:ARG:H	3	0.28	0.02	0.28
(1,1773)	1:192:A:VAL:HG21	1:193:A:ARG:H	3	0.28	0.02	0.28
(1,1773)	1:192:A:VAL:HG22	1:193:A:ARG:H	3	0.28	0.02	0.28
(1,1773)	1:192:A:VAL:HG23	1:193:A:ARG:H	3	0.28	0.02	0.28
(1,1790)	1:196:A:GLU:HA	1:196:A:GLU:HG2	3	0.27	0.0	0.27
(1,1790)	1:196:A:GLU:HA	1:196:A:GLU:HG3	3	0.27	0.0	0.27
(1,1441)	1:100:A:ARG:HD2	1:101:A:ASP:H	3	0.26	0.04	0.25
(1,1441)	1:100:A:ARG:HD3	1:101:A:ASP:H	3	0.26	0.04	0.25
(1,1460)	1:104:A:MET:HG2	1:105:A:LEU:H	3	0.26	0.1	0.29
(1,1460)	1:104:A:MET:HG3	1:105:A:LEU:H	3	0.26	0.1	0.29
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD11	3	0.26	0.11	0.19
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD12	3	0.26	0.11	0.19
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD13	3	0.26	0.11	0.19
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD21	3	0.26	0.11	0.19
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD22	3	0.26	0.11	0.19
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD23	3	0.26	0.11	0.19
(1,500)	1:101:A:ASP:H	1:156:A:ILE:HD11	3	0.24	0.11	0.18
(1,500)	1:101:A:ASP:H	1:156:A:ILE:HD12	3	0.24	0.11	0.18
(1,500)	1:101:A:ASP:H	1:156:A:ILE:HD13	3	0.24	0.11	0.18
(1,819)	1:160:A:ILE:HB	1:161:A:SER:H	3	0.24	0.06	0.24
(1,140)	1:129:A:ILE:HA	1:193:A:ARG:HG3	3	0.24	0.01	0.24
(1,337)	1:182:A:ILE:HA	1:192:A:VAL:HG11	3	0.24	0.04	0.25
(1,337)	1:182:A:ILE:HA	1:192:A:VAL:HG12	3	0.24	0.04	0.25
(1,337)	1:182:A:ILE:HA	1:192:A:VAL:HG13	3	0.24	0.04	0.25
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD11	3	0.23	0.04	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD12	3	0.23	0.04	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD13	3	0.23	0.04	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD21	3	0.23	0.04	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD22	3	0.23	0.04	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD23	3	0.23	0.04	0.26
(1,1179)	1:90:A:LEU:H	1:136:A:VAL:H	3	0.23	0.06	0.23
(1,1222)	1:155:A:ALA:H	1:157:A:VAL:HG11	3	0.22	0.08	0.27
(1,1222)	1:155:A:ALA:H	1:157:A:VAL:HG12	3	0.22	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)
(1,1222)	1:155:A:ALA:H	1:157:A:VAL:HG13	3	0.22	0.08	0.27
(1,391)	1:196:A:GLU:HA	1:199:A:GLN:H	3	0.21	0.02	0.2
(1,1128)	1:118:A:ARG:H	1:118:A:ARG:HB2	3	0.2	0.06	0.23
(1,571)	1:102:A:TRP:HH2	1:120:A:ASP:H	3	0.2	0.07	0.22
(1,110)	1:123:A:ILE:HB	1:157:A:VAL:HG21	3	0.18	0.04	0.15
(1,110)	1:123:A:ILE:HB	1:157:A:VAL:HG22	3	0.18	0.04	0.15
(1,110)	1:123:A:ILE:HB	1:157:A:VAL:HG23	3	0.18	0.04	0.15
(1,1170)	1:133:A:ASN:H	1:145:A:ILE:HB	3	0.17	0.04	0.17
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD11	3	0.17	0.02	0.16
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD12	3	0.17	0.02	0.16
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD13	3	0.17	0.02	0.16
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD21	3	0.17	0.02	0.16
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD22	3	0.17	0.02	0.16
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD23	3	0.17	0.02	0.16
(1,1277)	1:182:A:ILE:H	1:182:A:ILE:HD11	3	0.16	0.03	0.18
(1,1277)	1:182:A:ILE:H	1:182:A:ILE:HD12	3	0.16	0.03	0.18
(1,1277)	1:182:A:ILE:H	1:182:A:ILE:HD13	3	0.16	0.03	0.18
(1,1265)	1:173:A:ASP:HA	1:177:A:ALA:H	3	0.16	0.03	0.17
(1,697)	1:136:A:VAL:HG11	1:137:A:ILE:H	3	0.15	0.04	0.15
(1,697)	1:136:A:VAL:HG12	1:137:A:ILE:H	3	0.15	0.04	0.15
(1,697)	1:136:A:VAL:HG13	1:137:A:ILE:H	3	0.15	0.04	0.15
(1,843)	1:172:A:GLU:HB2	1:173:A:ASP:H	3	0.15	0.02	0.16
(1,843)	1:172:A:GLU:HB3	1:173:A:ASP:H	3	0.15	0.02	0.16
(1,27)	1:90:A:LEU:HD11	1:197:A:THR:HB	3	0.15	0.02	0.14
(1,27)	1:90:A:LEU:HD12	1:197:A:THR:HB	3	0.15	0.02	0.14
(1,27)	1:90:A:LEU:HD13	1:197:A:THR:HB	3	0.15	0.02	0.14
(1,1151)	1:128:A:ILE:H	1:129:A:ILE:H	3	0.15	0.05	0.11
(1,604)	1:121:A:GLN:H	1:123:A:ILE:H	3	0.13	0.02	0.13
(1,438)	1:142:A:GLU:H	1:142:A:GLU:HG2	3	0.12	0.01	0.13
(1,438)	1:142:A:GLU:H	1:142:A:GLU:HG3	3	0.12	0.01	0.13
(1,1163)	1:131:A:LYS:H	1:150:A:PHE:H	3	0.11	0.0	0.11
(1,1651)	1:136:A:VAL:HG11	1:139:A:ASP:HA	2	1.88	0.4	1.88
(1,1651)	1:136:A:VAL:HG12	1:139:A:ASP:HA	2	1.88	0.4	1.88
(1,1651)	1:136:A:VAL:HG13	1:139:A:ASP:HA	2	1.88	0.4	1.88
(1,1651)	1:136:A:VAL:HG21	1:139:A:ASP:HA	2	1.88	0.4	1.88
(1,1651)	1:136:A:VAL:HG22	1:139:A:ASP:HA	2	1.88	0.4	1.88
(1,1651)	1:136:A:VAL:HG23	1:139:A:ASP:HA	2	1.88	0.4	1.88
(1,1666)	1:147:A:LEU:HD11	1:148:A:ARG:HA	2	1.69	0.02	1.69
(1,1666)	1:147:A:LEU:HD12	1:148:A:ARG:HA	2	1.69	0.02	1.69
(1,1666)	1:147:A:LEU:HD13	1:148:A:ARG:HA	2	1.69	0.02	1.69
(1,1666)	1:147:A:LEU:HD21	1:148:A:ARG:HA	2	1.69	0.02	1.69
(1,1666)	1:147:A:LEU:HD22	1:148:A:ARG:HA	2	1.69	0.02	1.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1666)	1:147:A:LEU:HD23	1:148:A:ARG:HA	2	1.69	0.02	1.69
(1,1667)	1:147:A:LEU:HD11	1:148:A:ARG:HB2	2	1.3	0.11	1.3
(1,1667)	1:147:A:LEU:HD11	1:148:A:ARG:HB3	2	1.3	0.11	1.3
(1,1667)	1:147:A:LEU:HD12	1:148:A:ARG:HB2	2	1.3	0.11	1.3
(1,1667)	1:147:A:LEU:HD12	1:148:A:ARG:HB3	2	1.3	0.11	1.3
(1,1667)	1:147:A:LEU:HD13	1:148:A:ARG:HB2	2	1.3	0.11	1.3
(1,1667)	1:147:A:LEU:HD13	1:148:A:ARG:HB3	2	1.3	0.11	1.3
(1,1667)	1:147:A:LEU:HD21	1:148:A:ARG:HB2	2	1.3	0.11	1.3
(1,1667)	1:147:A:LEU:HD21	1:148:A:ARG:HB3	2	1.3	0.11	1.3
(1,1667)	1:147:A:LEU:HD22	1:148:A:ARG:HB2	2	1.3	0.11	1.3
(1,1667)	1:147:A:LEU:HD22	1:148:A:ARG:HB3	2	1.3	0.11	1.3
(1,1667)	1:147:A:LEU:HD23	1:148:A:ARG:HB2	2	1.3	0.11	1.3
(1,1667)	1:147:A:LEU:HD23	1:148:A:ARG:HB3	2	1.3	0.11	1.3
(1,1795)	1:198:A:LEU:H	1:199:A:GLN:HG2	2	1.22	0.06	1.22
(1,1795)	1:198:A:LEU:H	1:199:A:GLN:HG3	2	1.22	0.06	1.22
(1,1738)	1:179:A:GLY:HA2	1:182:A:ILE:HD11	2	1.21	0.03	1.21
(1,1738)	1:179:A:GLY:HA2	1:182:A:ILE:HD12	2	1.21	0.03	1.21
(1,1738)	1:179:A:GLY:HA2	1:182:A:ILE:HD13	2	1.21	0.03	1.21
(1,1738)	1:179:A:GLY:HA3	1:182:A:ILE:HD11	2	1.21	0.03	1.21
(1,1738)	1:179:A:GLY:HA3	1:182:A:ILE:HD12	2	1.21	0.03	1.21
(1,1738)	1:179:A:GLY:HA3	1:182:A:ILE:HD13	2	1.21	0.03	1.21
(1,1002)	1:200:A:ARG:H	1:201:A:PHE:HD1	2	0.84	0.69	0.84
(1,1002)	1:200:A:ARG:H	1:201:A:PHE:HD2	2	0.84	0.69	0.84
(1,161)	1:134:A:PHE:H	1:145:A:ILE:HD11	2	0.79	0.0	0.79
(1,161)	1:134:A:PHE:H	1:145:A:ILE:HD12	2	0.79	0.0	0.79
(1,161)	1:134:A:PHE:H	1:145:A:ILE:HD13	2	0.79	0.0	0.79
(1,1378)	1:91:A:THR:HG21	1:133:A:ASN:HD21	2	0.78	0.38	0.78
(1,1378)	1:91:A:THR:HG21	1:133:A:ASN:HD22	2	0.78	0.38	0.78
(1,1378)	1:91:A:THR:HG22	1:133:A:ASN:HD21	2	0.78	0.38	0.78
(1,1378)	1:91:A:THR:HG22	1:133:A:ASN:HD22	2	0.78	0.38	0.78
(1,1378)	1:91:A:THR:HG23	1:133:A:ASN:HD21	2	0.78	0.38	0.78
(1,1378)	1:91:A:THR:HG23	1:133:A:ASN:HD22	2	0.78	0.38	0.78
(1,74)	1:110:A:LYS:HG2	1:111:A:VAL:H	2	0.62	0.37	0.62
(1,357)	1:121:A:GLN:HA	1:188:A:ASN:HD22	2	0.62	0.12	0.62
(1,1665)	1:147:A:LEU:HD11	1:148:A:ARG:H	2	0.6	0.13	0.6
(1,1665)	1:147:A:LEU:HD12	1:148:A:ARG:H	2	0.6	0.13	0.6
(1,1665)	1:147:A:LEU:HD13	1:148:A:ARG:H	2	0.6	0.13	0.6
(1,1665)	1:147:A:LEU:HD21	1:148:A:ARG:H	2	0.6	0.13	0.6
(1,1665)	1:147:A:LEU:HD22	1:148:A:ARG:H	2	0.6	0.13	0.6
(1,1665)	1:147:A:LEU:HD23	1:148:A:ARG:H	2	0.6	0.13	0.6
(1,257)	1:100:A:ARG:HD2	1:156:A:ILE:HD11	2	0.57	0.1	0.57
(1,257)	1:100:A:ARG:HD2	1:156:A:ILE:HD12	2	0.57	0.1	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,257)	1:100:A:ARG:HD2	1:156:A:ILE:HD13	2	0.57	0.1	0.57
(1,28)	1:90:A:LEU:HD11	1:197:A:THR:HG21	2	0.57	0.19	0.57
(1,28)	1:90:A:LEU:HD11	1:197:A:THR:HG22	2	0.57	0.19	0.57
(1,28)	1:90:A:LEU:HD11	1:197:A:THR:HG23	2	0.57	0.19	0.57
(1,28)	1:90:A:LEU:HD12	1:197:A:THR:HG21	2	0.57	0.19	0.57
(1,28)	1:90:A:LEU:HD12	1:197:A:THR:HG22	2	0.57	0.19	0.57
(1,28)	1:90:A:LEU:HD12	1:197:A:THR:HG23	2	0.57	0.19	0.57
(1,28)	1:90:A:LEU:HD13	1:197:A:THR:HG21	2	0.57	0.19	0.57
(1,28)	1:90:A:LEU:HD13	1:197:A:THR:HG22	2	0.57	0.19	0.57
(1,28)	1:90:A:LEU:HD13	1:197:A:THR:HG23	2	0.57	0.19	0.57
(1,312)	1:160:A:ILE:HG21	1:177:A:ALA:HA	2	0.54	0.4	0.54
(1,312)	1:160:A:ILE:HG22	1:177:A:ALA:HA	2	0.54	0.4	0.54
(1,312)	1:160:A:ILE:HG23	1:177:A:ALA:HA	2	0.54	0.4	0.54
(1,965)	1:191:A:THR:H	1:191:A:THR:HB	2	0.52	0.08	0.52
(1,1699)	1:167:A:PRO:HD2	1:168:A:GLY:H	2	0.5	0.16	0.5
(1,1699)	1:167:A:PRO:HD3	1:168:A:GLY:H	2	0.5	0.16	0.5
(1,1184)	1:137:A:ILE:HA	1:138:A:PHE:H	2	0.5	0.04	0.5
(1,1464)	1:104:A:MET:HG2	1:120:A:ASP:H	2	0.5	0.1	0.5
(1,1464)	1:104:A:MET:HG3	1:120:A:ASP:H	2	0.5	0.1	0.5
(1,125)	1:127:A:ASN:HB3	1:191:A:THR:HB	2	0.48	0.12	0.48
(1,1615)	1:128:A:ILE:HG12	1:152:A:GLU:H	2	0.45	0.27	0.45
(1,1615)	1:128:A:ILE:HG13	1:152:A:GLU:H	2	0.45	0.27	0.45
(1,651)	1:128:A:ILE:H	1:191:A:THR:HB	2	0.42	0.14	0.42
(1,1376)	1:90:A:LEU:HD11	1:197:A:THR:HG21	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD11	1:197:A:THR:HG22	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD11	1:197:A:THR:HG23	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD12	1:197:A:THR:HG21	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD12	1:197:A:THR:HG22	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD12	1:197:A:THR:HG23	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD13	1:197:A:THR:HG21	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD13	1:197:A:THR:HG22	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD13	1:197:A:THR:HG23	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD21	1:197:A:THR:HG21	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD21	1:197:A:THR:HG22	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD21	1:197:A:THR:HG23	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD22	1:197:A:THR:HG21	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD22	1:197:A:THR:HG22	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD22	1:197:A:THR:HG23	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD23	1:197:A:THR:HG21	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD23	1:197:A:THR:HG22	2	0.42	0.26	0.42
(1,1376)	1:90:A:LEU:HD23	1:197:A:THR:HG23	2	0.42	0.26	0.42
(1,1181)	1:136:A:VAL:H	1:136:A:VAL:HG11	2	0.38	0.1	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1181)	1:136:A:VAL:H	1:136:A:VAL:HG12	2	0.38	0.1	0.38
(1,1181)	1:136:A:VAL:H	1:136:A:VAL:HG13	2	0.38	0.1	0.38
(1,1794)	1:197:A:THR:HA	1:200:A:ARG:HD2	2	0.36	0.13	0.36
(1,1794)	1:197:A:THR:HA	1:200:A:ARG:HD3	2	0.36	0.13	0.36
(1,429)	1:137:A:ILE:H	1:142:A:GLU:HB2	2	0.36	0.09	0.36
(1,429)	1:137:A:ILE:H	1:142:A:GLU:HB3	2	0.36	0.09	0.36
(1,1796)	1:199:A:GLN:H	1:199:A:GLN:HG2	2	0.34	0.01	0.34
(1,1796)	1:199:A:GLN:H	1:199:A:GLN:HG3	2	0.34	0.01	0.34
(1,1023)	1:93:A:MET:HE1	1:146:A:LEU:HB2	2	0.34	0.01	0.34
(1,1023)	1:93:A:MET:HE1	1:146:A:LEU:HB3	2	0.34	0.01	0.34
(1,1023)	1:93:A:MET:HE2	1:146:A:LEU:HB2	2	0.34	0.01	0.34
(1,1023)	1:93:A:MET:HE2	1:146:A:LEU:HB3	2	0.34	0.01	0.34
(1,1023)	1:93:A:MET:HE3	1:146:A:LEU:HB2	2	0.34	0.01	0.34
(1,1023)	1:93:A:MET:HE3	1:146:A:LEU:HB3	2	0.34	0.01	0.34
(1,1560)	1:119:A:MET:HG2	1:120:A:ASP:H	2	0.32	0.0	0.32
(1,1560)	1:119:A:MET:HG3	1:120:A:ASP:H	2	0.32	0.0	0.32
(1,280)	1:158:A:GLY:HA2	1:181:A:LEU:HD11	2	0.31	0.17	0.31
(1,280)	1:158:A:GLY:HA2	1:181:A:LEU:HD12	2	0.31	0.17	0.31
(1,280)	1:158:A:GLY:HA2	1:181:A:LEU:HD13	2	0.31	0.17	0.31
(1,969)	1:191:A:THR:HG21	1:192:A:VAL:H	2	0.31	0.15	0.31
(1,969)	1:191:A:THR:HG22	1:192:A:VAL:H	2	0.31	0.15	0.31
(1,969)	1:191:A:THR:HG23	1:192:A:VAL:H	2	0.31	0.15	0.31
(1,1174)	1:134:A:PHE:HD1	1:135:A:SER:H	2	0.28	0.1	0.28
(1,1174)	1:134:A:PHE:HD2	1:135:A:SER:H	2	0.28	0.1	0.28
(1,392)	1:199:A:GLN:H	1:199:A:GLN:HG2	2	0.28	0.01	0.28
(1,1780)	1:194:A:VAL:HG11	1:202:A:ALA:HB1	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG11	1:202:A:ALA:HB2	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG11	1:202:A:ALA:HB3	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG12	1:202:A:ALA:HB1	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG12	1:202:A:ALA:HB2	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG12	1:202:A:ALA:HB3	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG13	1:202:A:ALA:HB1	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG13	1:202:A:ALA:HB2	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG13	1:202:A:ALA:HB3	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG21	1:202:A:ALA:HB1	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG21	1:202:A:ALA:HB2	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG21	1:202:A:ALA:HB3	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG22	1:202:A:ALA:HB1	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG22	1:202:A:ALA:HB2	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG22	1:202:A:ALA:HB3	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG23	1:202:A:ALA:HB1	2	0.26	0.01	0.26
(1,1780)	1:194:A:VAL:HG23	1:202:A:ALA:HB2	2	0.26	0.01	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1780)	1:194:A:VAL:HG23	1:202:A:ALA:HB3	2	0.26	0.01	0.26
(1,167)	1:134:A:PHE:HB2	1:145:A:ILE:HD11	2	0.26	0.01	0.26
(1,167)	1:134:A:PHE:HB2	1:145:A:ILE:HD12	2	0.26	0.01	0.26
(1,167)	1:134:A:PHE:HB2	1:145:A:ILE:HD13	2	0.26	0.01	0.26
(1,167)	1:134:A:PHE:HB3	1:145:A:ILE:HD11	2	0.26	0.01	0.26
(1,167)	1:134:A:PHE:HB3	1:145:A:ILE:HD12	2	0.26	0.01	0.26
(1,167)	1:134:A:PHE:HB3	1:145:A:ILE:HD13	2	0.26	0.01	0.26
(1,975)	1:129:A:ILE:HA	1:193:A:ARG:H	2	0.26	0.01	0.26
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG11	2	0.24	0.05	0.24
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG12	2	0.24	0.05	0.24
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG13	2	0.24	0.05	0.24
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG21	2	0.24	0.05	0.24
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG22	2	0.24	0.05	0.24
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG23	2	0.24	0.05	0.24
(1,525)	1:104:A:MET:HA	1:106:A:MET:H	2	0.23	0.08	0.23
(1,1596)	1:125:A:ASP:HA	1:189:A:ASP:HB2	2	0.23	0.02	0.23
(1,1596)	1:125:A:ASP:HA	1:189:A:ASP:HB3	2	0.23	0.02	0.23
(1,201)	1:146:A:LEU:HA	1:146:A:LEU:HG	2	0.22	0.04	0.22
(1,1641)	1:133:A:ASN:HD21	1:134:A:PHE:H	2	0.22	0.01	0.22
(1,1641)	1:133:A:ASN:HD22	1:134:A:PHE:H	2	0.22	0.01	0.22
(1,1236)	1:159:A:GLU:H	1:181:A:LEU:HD11	2	0.22	0.07	0.22
(1,1236)	1:159:A:GLU:H	1:181:A:LEU:HD12	2	0.22	0.07	0.22
(1,1236)	1:159:A:GLU:H	1:181:A:LEU:HD13	2	0.22	0.07	0.22
(1,1092)	1:100:A:ARG:H	1:156:A:ILE:HD11	2	0.22	0.04	0.22
(1,1092)	1:100:A:ARG:H	1:156:A:ILE:HD12	2	0.22	0.04	0.22
(1,1092)	1:100:A:ARG:H	1:156:A:ILE:HD13	2	0.22	0.04	0.22
(1,283)	1:160:A:ILE:H	1:160:A:ILE:HD11	2	0.2	0.06	0.2
(1,283)	1:160:A:ILE:H	1:160:A:ILE:HD12	2	0.2	0.06	0.2
(1,283)	1:160:A:ILE:H	1:160:A:ILE:HD13	2	0.2	0.06	0.2
(1,25)	1:90:A:LEU:HA	1:90:A:LEU:HD21	2	0.2	0.04	0.2
(1,25)	1:90:A:LEU:HA	1:90:A:LEU:HD22	2	0.2	0.04	0.2
(1,25)	1:90:A:LEU:HA	1:90:A:LEU:HD23	2	0.2	0.04	0.2
(1,1324)	1:199:A:GLN:HA	1:202:A:ALA:H	2	0.18	0.03	0.18
(1,1804)	1:200:A:ARG:H	1:200:A:ARG:HG2	2	0.17	0.02	0.17
(1,1804)	1:200:A:ARG:H	1:200:A:ARG:HG3	2	0.17	0.02	0.17
(1,1807)	1:200:A:ARG:HA	1:200:A:ARG:HD2	2	0.16	0.02	0.16
(1,1807)	1:200:A:ARG:HA	1:200:A:ARG:HD3	2	0.16	0.02	0.16
(1,508)	1:102:A:TRP:H	1:156:A:ILE:HD11	2	0.15	0.03	0.15
(1,508)	1:102:A:TRP:H	1:156:A:ILE:HD12	2	0.15	0.03	0.15
(1,508)	1:102:A:TRP:H	1:156:A:ILE:HD13	2	0.15	0.03	0.15
(1,586)	1:120:A:ASP:H	1:121:A:GLN:H	2	0.14	0.01	0.14
(1,890)	1:180:A:VAL:HG21	1:181:A:LEU:H	2	0.14	0.02	0.14

Continued on next page...

Continued from previous page...

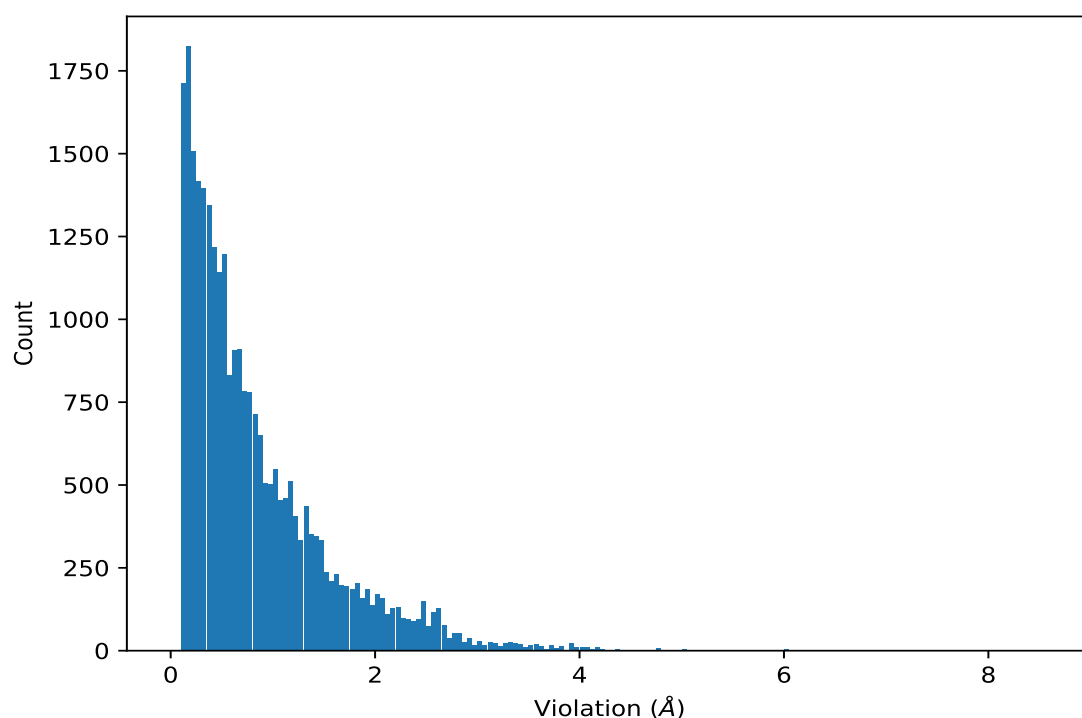
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,890)	1:180:A:VAL:HG22	1:181:A:LEU:H	2	0.14	0.02	0.14
(1,890)	1:180:A:VAL:HG23	1:181:A:LEU:H	2	0.14	0.02	0.14
(1,927)	1:186:A:GLU:H	1:190:A:ASN:H	2	0.14	0.03	0.14
(1,1689)	1:159:A:GLU:HG2	1:160:A:ILE:HG21	2	0.14	0.02	0.14
(1,1689)	1:159:A:GLU:HG2	1:160:A:ILE:HG22	2	0.14	0.02	0.14
(1,1689)	1:159:A:GLU:HG2	1:160:A:ILE:HG23	2	0.14	0.02	0.14
(1,1689)	1:159:A:GLU:HG3	1:160:A:ILE:HG21	2	0.14	0.02	0.14
(1,1689)	1:159:A:GLU:HG3	1:160:A:ILE:HG22	2	0.14	0.02	0.14
(1,1689)	1:159:A:GLU:HG3	1:160:A:ILE:HG23	2	0.14	0.02	0.14
(1,49)	1:98:A:MET:HB3	1:99:A:SER:H	2	0.14	0.04	0.14
(1,943)	1:189:A:ASP:H	1:189:A:ASP:HB2	2	0.13	0.01	0.13
(1,50)	1:100:A:ARG:H	1:100:A:ARG:HD2	2	0.12	0.01	0.12
(1,1180)	1:136:A:VAL:H	1:136:A:VAL:HB	2	0.12	0.02	0.12
(1,1500)	1:108:A:LYS:HE2	1:121:A:GLN:HG2	2	0.12	0.01	0.12
(1,1500)	1:108:A:LYS:HE2	1:121:A:GLN:HG3	2	0.12	0.01	0.12
(1,1500)	1:108:A:LYS:HE3	1:121:A:GLN:HG2	2	0.12	0.01	0.12
(1,1500)	1:108:A:LYS:HE3	1:121:A:GLN:HG3	2	0.12	0.01	0.12
(1,321)	1:177:A:ALA:HB1	1:179:A:GLY:H	2	0.12	0.0	0.12
(1,321)	1:177:A:ALA:HB2	1:179:A:GLY:H	2	0.12	0.0	0.12
(1,321)	1:177:A:ALA:HB3	1:179:A:GLY:H	2	0.12	0.0	0.12
(1,1234)	1:118:A:ARG:HA	1:159:A:GLU:H	2	0.12	0.0	0.12
(1,903)	1:182:A:ILE:HD11	1:183:A:GLY:H	2	0.11	0.01	0.11
(1,903)	1:182:A:ILE:HD12	1:183:A:GLY:H	2	0.11	0.01	0.11
(1,903)	1:182:A:ILE:HD13	1:183:A:GLY:H	2	0.11	0.01	0.11
(1,931)	1:187:A:ARG:HA	1:188:A:ASN:H	2	0.11	0.0	0.11
(1,597)	1:120:A:ASP:HA	1:122:A:ALA:H	2	0.11	0.0	0.11

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	13	8.57
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	15	7.89
(1,1275)	1:179:A:GLY:H	1:203:A:TRP:HZ3	13	7.85
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	15	7.69
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	9	7.61
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	13	7.56
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	7	7.39
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	11	7.26
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	9	7.19
(1,1275)	1:179:A:GLY:H	1:203:A:TRP:HZ3	15	6.89
(1,1275)	1:179:A:GLY:H	1:203:A:TRP:HZ3	7	6.86
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	13	6.75
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	13	6.73
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	16	6.72
(1,1275)	1:179:A:GLY:H	1:203:A:TRP:HZ3	11	6.69
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	15	6.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	7	6.6
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	15	6.57
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	13	6.43
(1,1275)	1:179:A:GLY:H	1:203:A:TRP:HZ3	9	6.41
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	11	6.41
(1,412)	1:179:A:GLY:HA2	1:203:A:TRP:HH2	13	6.34
(1,291)	1:115:A:LEU:HG	1:169:A:HIS:HE1	15	6.26
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	7	6.25
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	12	6.25
(1,1275)	1:179:A:GLY:H	1:203:A:TRP:HZ3	16	6.22
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	9	6.13
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	11	6.07
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	13	6.04
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	13	6.04
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	13	6.04
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	16	6.04
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	9	6.03
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	7	5.98
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	11	5.84
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	15	5.79
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	16	5.72
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	9	5.66
(1,291)	1:115:A:LEU:HG	1:169:A:HIS:HE1	9	5.58
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	16	5.4
(1,418)	1:178:A:VAL:HG11	1:203:A:TRP:HZ3	13	5.32
(1,418)	1:178:A:VAL:HG12	1:203:A:TRP:HZ3	13	5.32
(1,418)	1:178:A:VAL:HG13	1:203:A:TRP:HZ3	13	5.32
(1,1331)	1:178:A:VAL:HB	1:203:A:TRP:HE3	13	5.06
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	15	5.01
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	15	5.01
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	15	5.01
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	15	5.01
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	15	5.01
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	15	5.01
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	12	4.86
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	12	4.86
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	15	4.83
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	7	4.77
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	13	4.76
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	13	4.76
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	13	4.76
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	5	4.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	5	4.76
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	5	4.76
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	16	4.75
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	11	4.45
(1,1331)	1:178:A:VAL:HB	1:203:A:TRP:HE3	7	4.43
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	9	4.41
(1,412)	1:179:A:GLY:HA2	1:203:A:TRP:HH2	7	4.41
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	3	4.39
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	3	4.39
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	13	4.39
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	13	4.39
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	13	4.39
(1,1331)	1:178:A:VAL:HB	1:203:A:TRP:HE3	15	4.39
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	7	4.34
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	3	4.3
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	5	4.3
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	8	4.28
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	8	4.28
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	8	4.28
(1,412)	1:179:A:GLY:HA2	1:203:A:TRP:HH2	15	4.23
(1,412)	1:179:A:GLY:HA2	1:203:A:TRP:HH2	11	4.2
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	16	4.2
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	16	4.2
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	16	4.2
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	12	4.19
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	12	4.19
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	12	4.19
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	18	4.18
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	18	4.18
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	18	4.18
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	18	4.18
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	18	4.18
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	18	4.18
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	9	4.15
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	7	4.14
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	8	4.13
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	12	4.12
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	15	4.11
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	16	4.11
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	19	4.08
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	18	4.07
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	7	4.07

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	7	4.07
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	7	4.07
(1,418)	1:178:A:VAL:HG11	1:203:A:TRP:HZ3	15	4.06
(1,418)	1:178:A:VAL:HG12	1:203:A:TRP:HZ3	15	4.06
(1,418)	1:178:A:VAL:HG13	1:203:A:TRP:HZ3	15	4.06
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	18	4.05
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	18	4.05
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	18	4.05
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	3	4.05
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	13	4.04
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	19	4.04
(1,412)	1:179:A:GLY:HA2	1:203:A:TRP:HH2	9	4.02
(1,409)	1:178:A:VAL:HG11	1:203:A:TRP:HE3	13	4.02
(1,409)	1:178:A:VAL:HG12	1:203:A:TRP:HE3	13	4.02
(1,409)	1:178:A:VAL:HG13	1:203:A:TRP:HE3	13	4.02
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	9	4.01
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	15	4.01
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	15	4.01
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	15	4.01
(1,1331)	1:178:A:VAL:HB	1:203:A:TRP:HE3	9	4.0
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	17	4.0
(1,1331)	1:178:A:VAL:HB	1:203:A:TRP:HE3	11	3.99
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	1	3.99
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	16	3.99
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	19	3.98
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	20	3.97
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	13	3.97
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	13	3.97
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	13	3.97
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	5	3.95
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	5	3.95
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	5	3.95
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	7	3.94
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	7	3.94
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	7	3.94
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	10	3.93
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	7	3.93
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	7	3.93
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	7	3.93
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	16	3.93
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	16	3.93
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	16	3.93

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	15	3.92
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	15	3.92
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	15	3.92
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	12	3.92
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	12	3.92
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	12	3.92
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	9	3.91
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	9	3.91
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	9	3.91
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	9	3.91
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	9	3.91
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	9	3.91
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	2	3.9
(1,5)	1:197:A:THR:HB	1:201:A:PHE:HE1	20	3.89
(1,5)	1:197:A:THR:HB	1:201:A:PHE:HE2	20	3.89
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	12	3.87
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	14	3.84
(1,1331)	1:178:A:VAL:HB	1:203:A:TRP:HE3	16	3.83
(1,418)	1:178:A:VAL:HG11	1:203:A:TRP:HZ3	9	3.83
(1,418)	1:178:A:VAL:HG12	1:203:A:TRP:HZ3	9	3.83
(1,418)	1:178:A:VAL:HG13	1:203:A:TRP:HZ3	9	3.83
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	7	3.81
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	16	3.81
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	16	3.81
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	16	3.81
(1,418)	1:178:A:VAL:HG11	1:203:A:TRP:HZ3	7	3.81
(1,418)	1:178:A:VAL:HG12	1:203:A:TRP:HZ3	7	3.81
(1,418)	1:178:A:VAL:HG13	1:203:A:TRP:HZ3	7	3.81
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	19	3.8
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	19	3.8
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	2	3.8
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	11	3.79
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	11	3.78
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	4	3.78
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	3	3.78
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	8	3.78
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	12	3.77
(1,412)	1:179:A:GLY:HA2	1:203:A:TRP:HH2	16	3.77
(1,409)	1:178:A:VAL:HG11	1:203:A:TRP:HE3	15	3.74
(1,409)	1:178:A:VAL:HG12	1:203:A:TRP:HE3	15	3.74
(1,409)	1:178:A:VAL:HG13	1:203:A:TRP:HE3	15	3.74
(1,13)	1:146:A:LEU:HG	1:148:A:ARG:HA	16	3.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	15	3.74
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	15	3.74
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	15	3.74
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	15	3.74
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	15	3.72
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	15	3.72
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	15	3.72
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	17	3.72
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	5	3.71
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	15	3.71
(1,418)	1:178:A:VAL:HG11	1:203:A:TRP:HZ3	11	3.71
(1,418)	1:178:A:VAL:HG12	1:203:A:TRP:HZ3	11	3.71
(1,418)	1:178:A:VAL:HG13	1:203:A:TRP:HZ3	11	3.71
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	20	3.69
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	7	3.69
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	16	3.68
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	16	3.68
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	16	3.68
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	15	3.65
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	9	3.64
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	9	3.64
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	9	3.64
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	12	3.63
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	12	3.63
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	12	3.63
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	12	3.63
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	16	3.62
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	7	3.61
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	7	3.61
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	7	3.61
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	5	3.61
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	13	3.6
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	9	3.6
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	5	3.59
(1,409)	1:178:A:VAL:HG11	1:203:A:TRP:HE3	7	3.59
(1,409)	1:178:A:VAL:HG12	1:203:A:TRP:HE3	7	3.59
(1,409)	1:178:A:VAL:HG13	1:203:A:TRP:HE3	7	3.59
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	12	3.58
(1,409)	1:178:A:VAL:HG11	1:203:A:TRP:HE3	9	3.58
(1,409)	1:178:A:VAL:HG12	1:203:A:TRP:HE3	9	3.58
(1,409)	1:178:A:VAL:HG13	1:203:A:TRP:HE3	9	3.58
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	3	3.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	10	3.56
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	16	3.55
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	16	3.55
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	4	3.55
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	4	3.55
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	10	3.55
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	10	3.55
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	10	3.55
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	17	3.55
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	7	3.55
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	19	3.55
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	15	3.55
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	14	3.54
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	14	3.54
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	5	3.54
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	11	3.53
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	11	3.53
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	11	3.53
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	3	3.53
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	13	3.53
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	10	3.53
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	2	3.51
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	2	3.51
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	14	3.51
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	18	3.51
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	7	3.51
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	7	3.51
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	7	3.51
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	16	3.5
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	19	3.5
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	4	3.49
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	4	3.49
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	4	3.49
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	16	3.49
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	16	3.49
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	10	3.49
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	7	3.48
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	7	3.48
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	7	3.48
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	14	3.47
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	17	3.46
(1,13)	1:146:A:LEU:HG	1:148:A:ARG:HA	9	3.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	4	3.44
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	13	3.43
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	13	3.43
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	13	3.43
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	9	3.43
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	8	3.43
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	9	3.42
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	9	3.42
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	9	3.42
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG11	15	3.41
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG12	15	3.41
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG13	15	3.41
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG21	15	3.41
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG22	15	3.41
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG23	15	3.41
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	13	3.41
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	13	3.41
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	2	3.4
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	5	3.4
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	12	3.39
(1,409)	1:178:A:VAL:HG11	1:203:A:TRP:HE3	11	3.39
(1,409)	1:178:A:VAL:HG12	1:203:A:TRP:HE3	11	3.39
(1,409)	1:178:A:VAL:HG13	1:203:A:TRP:HE3	11	3.39
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	18	3.38
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	18	3.38
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	18	3.38
(1,1191)	1:144:A:LEU:HG	1:146:A:LEU:H	5	3.38
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	14	3.38
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	9	3.37
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	9	3.37
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	9	3.37
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	7	3.37
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	5	3.36
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	5	3.36
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	5	3.36
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	2	3.36
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	3	3.36
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	3	3.36
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	3	3.36
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	2	3.35
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	4	3.35
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	6	3.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	8	3.34
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	5	3.34
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	5	3.34
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	5	3.34
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	8	3.34
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	8	3.34
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	8	3.34
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	3	3.33
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	3	3.33
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	3	3.33
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	9	3.32
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	15	3.32
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	2	3.31
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	2	3.31
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	2	3.31
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	2	3.31
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	2	3.31
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	2	3.31
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	2	3.31
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	2	3.31
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	2	3.31
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	2	3.31
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	2	3.31
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	2	3.31
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	3	3.3
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	19	3.29
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	19	3.29
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	19	3.29
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	12	3.29
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	12	3.29
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	12	3.29
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	11	3.29
(1,1191)	1:144:A:LEU:HG	1:146:A:LEU:H	18	3.28
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	20	3.28
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	16	3.27
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	1	3.27
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	15	3.27
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	15	3.27
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	15	3.27
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	19	3.27
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	19	3.27
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	19	3.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:115:A:LEU:HG	1:169:A:HIS:HE1	12	3.27
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	6	3.26
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	6	3.26
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	6	3.26
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	2	3.26
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	12	3.26
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	17	3.26
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	13	3.24
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	3	3.24
(1,1191)	1:144:A:LEU:HG	1:146:A:LEU:H	3	3.23
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	16	3.23
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	11	3.21
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	15	3.21
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	15	3.21
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	15	3.21
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	16	3.21
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	16	3.21
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	16	3.21
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	7	3.2
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	12	3.2
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	12	3.2
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	12	3.2
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	2	3.19
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	2	3.19
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	8	3.19
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	8	3.19
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	11	3.19
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	6	3.19
(1,418)	1:178:A:VAL:HG11	1:203:A:TRP:HZ3	16	3.19
(1,418)	1:178:A:VAL:HG12	1:203:A:TRP:HZ3	16	3.19
(1,418)	1:178:A:VAL:HG13	1:203:A:TRP:HZ3	16	3.19
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	1	3.17
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	4	3.17
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	10	3.17
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	16	3.17
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	20	3.17
(1,1800)	1:199:A:GLN:HB2	1:203:A:TRP:HD1	16	3.16
(1,1800)	1:199:A:GLN:HB3	1:203:A:TRP:HD1	16	3.16
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	15	3.16
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	3	3.15
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	3	3.15
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	3	3.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:178:A:VAL:HG11	1:203:A:TRP:HE3	16	3.15
(1,409)	1:178:A:VAL:HG12	1:203:A:TRP:HE3	16	3.15
(1,409)	1:178:A:VAL:HG13	1:203:A:TRP:HE3	16	3.15
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG11	9	3.14
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG12	9	3.14
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG13	9	3.14
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG21	9	3.14
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG22	9	3.14
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG23	9	3.14
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	5	3.14
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	7	3.14
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	12	3.14
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	3	3.14
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	3	3.14
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	3	3.14
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	11	3.13
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	7	3.13
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	9	3.13
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	8	3.13
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	8	3.13
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	8	3.13
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	11	3.13
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	11	3.13
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	11	3.13
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	14	3.12
(1,1191)	1:144:A:LEU:HG	1:146:A:LEU:H	10	3.1
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	5	3.1
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	19	3.1
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	19	3.1
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	19	3.1
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	1	3.09
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	1	3.09
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	1	3.09
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	2	3.09
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	15	3.08
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	17	3.08
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	19	3.08
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	9	3.07
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	3	3.06
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	12	3.05
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	12	3.05
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	12	3.05

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	11	3.05
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	15	3.05
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	15	3.05
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	15	3.05
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	10	3.05
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	6	3.04
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	11	3.04
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	11	3.04
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	11	3.04
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	6	3.03
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	8	3.03
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	4	3.03
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	18	3.03
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	20	3.02
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	15	3.01
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	15	3.01
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	15	3.01
(1,416)	1:182:A:ILE:HG21	1:203:A:TRP:HZ2	18	3.01
(1,416)	1:182:A:ILE:HG22	1:203:A:TRP:HZ2	18	3.01
(1,416)	1:182:A:ILE:HG23	1:203:A:TRP:HZ2	18	3.01
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	9	3.01
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	9	3.01
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	9	3.01
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	9	3.01
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	9	3.01
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	9	3.01
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	6	3.0
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	19	3.0
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	19	3.0
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	19	3.0
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	10	3.0
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	10	3.0
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	10	3.0
(1,13)	1:146:A:LEU:HG	1:148:A:ARG:HA	2	3.0
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	1	2.98
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	1	2.98
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	16	2.98
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	16	2.98
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	16	2.98
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	16	2.98
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	16	2.98
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	16	2.98

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	20	2.98
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	17	2.97
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	12	2.97
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	19	2.96
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	7	2.96
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	7	2.96
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	7	2.96
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	19	2.95
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	1	2.95
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	15	2.95
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD1	20	2.94
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD2	20	2.94
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD1	20	2.94
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD2	20	2.94
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD1	20	2.94
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD2	20	2.94
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	10	2.94
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	7	2.94
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	7	2.94
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	7	2.94
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	14	2.94
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	14	2.93
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	14	2.93
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	14	2.93
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	14	2.93
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	14	2.93
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	14	2.93
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	14	2.93
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	14	2.93
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	14	2.93
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	14	2.93
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	14	2.93
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	14	2.93
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	15	2.93
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	14	2.92
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	14	2.92
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	14	2.92
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	15	2.92
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	15	2.92
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	15	2.92
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	17	2.92
(1,433)	1:109:A:GLN:HG3	1:118:A:ARG:H	8	2.92

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	11	2.92
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	16	2.91
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	16	2.91
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	16	2.91
(1,1191)	1:144:A:LEU:HG	1:146:A:LEU:H	16	2.91
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	20	2.91
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	13	2.9
(1,1155)	1:129:A:ILE:HG13	1:131:A:LYS:H	6	2.89
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	18	2.89
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	2	2.89
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	15	2.89
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	11	2.89
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	11	2.89
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	11	2.89
(1,13)	1:146:A:LEU:HG	1:148:A:ARG:HA	11	2.89
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	3	2.87
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	3	2.87
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	3	2.87
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	3	2.87
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	3	2.87
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	3	2.87
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	13	2.87
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	12	2.86
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	5	2.86
(1,13)	1:146:A:LEU:HG	1:148:A:ARG:HA	15	2.86
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	8	2.85
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	8	2.85
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	8	2.85
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	8	2.85
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	13	2.85
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	13	2.85
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	13	2.85
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	18	2.84
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	10	2.84
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	10	2.84
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	10	2.84
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	20	2.84
(1,540)	1:109:A:GLN:HG2	1:111:A:VAL:H	8	2.84
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	9	2.84
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	9	2.84
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	9	2.84
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	4	2.84

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	15	2.83
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	15	2.83
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	15	2.83
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	15	2.83
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	15	2.83
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	15	2.83
(1,1238)	1:146:A:LEU:HG	1:160:A:ILE:H	9	2.83
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	2	2.83
(1,13)	1:146:A:LEU:HG	1:148:A:ARG:HA	6	2.83
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	6	2.82
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	6	2.82
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	5	2.82
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	20	2.82
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	20	2.82
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	20	2.82
(1,13)	1:146:A:LEU:HG	1:148:A:ARG:HA	7	2.82
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	5	2.81
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	5	2.81
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	5	2.81
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	5	2.81
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	5	2.81
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	5	2.81
(1,1238)	1:146:A:LEU:HG	1:160:A:ILE:H	16	2.81
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	1	2.81
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	10	2.81
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	10	2.81
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	10	2.81
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	5	2.81
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	5	2.81
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	5	2.81
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	1	2.81
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	9	2.81
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	18	2.8
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	18	2.8
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	18	2.8
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	18	2.8
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	18	2.8
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	18	2.8
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	4	2.8
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	4	2.8
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	8	2.8
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	5	2.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	20	2.8
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	15	2.79
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	15	2.79
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	19	2.79
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	19	2.79
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	19	2.79
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	15	2.79
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	15	2.79
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	15	2.79
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	20	2.78
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	5	2.78
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	11	2.78
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	18	2.78
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	18	2.78
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	18	2.78
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	18	2.78
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	18	2.78
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	18	2.78
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	1	2.78
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	1	2.78
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	1	2.78
(1,13)	1:146:A:LEU:HG	1:148:A:ARG:HA	19	2.78
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	10	2.77
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	10	2.77
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	10	2.77
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	10	2.77
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	10	2.77
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	10	2.77
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	8	2.77
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	8	2.77
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	8	2.77
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	18	2.77
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	18	2.77
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	18	2.77
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	1	2.77
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	1	2.77
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	1	2.77
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG2	19	2.76
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG3	19	2.76
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	4	2.76
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	4	2.76
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	14	2.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	1	2.76
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	11	2.76
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	15	2.75
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	15	2.75
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	15	2.75
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	15	2.75
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	9	2.75
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	14	2.75
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	17	2.75
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	3	2.75
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	3	2.75
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	3	2.75
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	5	2.74
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	18	2.74
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	18	2.74
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	18	2.74
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	7	2.74
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	18	2.73
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	18	2.73
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	14	2.73
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	14	2.73
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	14	2.73
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	14	2.73
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	14	2.73
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	14	2.73
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	20	2.73
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	20	2.73
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	20	2.73
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	19	2.72
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	5	2.72
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	5	2.72
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	5	2.72
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	12	2.72
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	10	2.71
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	10	2.71
(1,1238)	1:146:A:LEU:HG	1:160:A:ILE:H	7	2.71
(1,1238)	1:146:A:LEU:HG	1:160:A:ILE:H	15	2.71
(1,1191)	1:144:A:LEU:HG	1:146:A:LEU:H	7	2.71
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	9	2.71
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	16	2.71
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	15	2.7
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	15	2.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	17	2.7
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	17	2.7
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	17	2.7
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	17	2.7
(1,1191)	1:144:A:LEU:HG	1:146:A:LEU:H	20	2.7
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	6	2.7
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	6	2.7
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	6	2.7
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	18	2.69
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	18	2.69
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	18	2.69
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	18	2.69
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	10	2.69
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	10	2.69
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	10	2.69
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	10	2.69
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	10	2.69
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	10	2.69
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	10	2.69
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	10	2.69
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	10	2.69
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	10	2.69
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	10	2.69
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	10	2.69
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	6	2.69
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	6	2.69
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG2	4	2.69
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG3	4	2.69
(1,1360)	1:88:A:ARG:HG2	1:90:A:LEU:HA	15	2.69
(1,1360)	1:88:A:ARG:HG3	1:90:A:LEU:HA	15	2.69
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	2	2.69
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	8	2.69
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	14	2.68
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	14	2.68
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	15	2.68
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	1	2.67
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	1	2.67
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	1	2.67
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	1	2.67
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	1	2.67
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	1	2.67
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	1	2.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	1	2.67
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	1	2.67
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	1	2.67
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	1	2.67
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	1	2.67
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	7	2.67
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	7	2.67
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	7	2.67
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	7	2.67
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	7	2.67
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	7	2.67
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	7	2.67
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	7	2.67
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	7	2.67
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	7	2.67
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	7	2.67
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	7	2.67
(1,1360)	1:88:A:ARG:HG2	1:90:A:LEU:HA	9	2.67
(1,1360)	1:88:A:ARG:HG3	1:90:A:LEU:HA	9	2.67
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	11	2.67
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	11	2.67
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	11	2.67
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	16	2.66
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	18	2.66
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	4	2.66
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	4	2.66
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	4	2.66
(1,433)	1:109:A:GLN:HG3	1:118:A:ARG:H	2	2.66
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	13	2.66
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	13	2.66
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	13	2.66
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	8	2.66
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	8	2.66
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	8	2.66
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	10	2.65
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	11	2.65
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	11	2.65
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	11	2.65
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	4	2.65
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	4	2.65
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	4	2.65
(1,13)	1:146:A:LEU:HG	1:148:A:ARG:HA	3	2.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	14	2.64
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	14	2.64
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	14	2.64
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	14	2.64
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	14	2.64
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	14	2.64
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	14	2.64
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	14	2.64
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	14	2.64
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	14	2.64
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	14	2.64
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	14	2.64
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	15	2.64
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	15	2.64
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	15	2.64
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	15	2.64
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	15	2.64
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	15	2.64
(1,1136)	1:105:A:LEU:HG	1:121:A:GLN:H	18	2.64
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	5	2.64
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	5	2.64
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	5	2.64
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	15	2.64
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	15	2.64
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	15	2.64
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG2	9	2.64
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG3	9	2.64
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	20	2.63
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	20	2.63
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	20	2.63
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	20	2.63
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	20	2.63
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	20	2.63
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	20	2.63
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	20	2.63
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	20	2.63
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	20	2.63
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	20	2.63
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	20	2.63
(1,1123)	1:109:A:GLN:HG2	1:117:A:ILE:H	8	2.63
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	11	2.63
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD11	9	2.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD12	9	2.63
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD13	9	2.63
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD11	9	2.63
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD12	9	2.63
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD13	9	2.63
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	6	2.63
(1,1360)	1:88:A:ARG:HG2	1:90:A:LEU:HA	18	2.62
(1,1360)	1:88:A:ARG:HG3	1:90:A:LEU:HA	18	2.62
(1,433)	1:109:A:GLN:HG3	1:118:A:ARG:H	4	2.62
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	6	2.62
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	6	2.62
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	6	2.62
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	7	2.61
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	7	2.61
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	7	2.61
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	7	2.61
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	10	2.61
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	10	2.61
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	10	2.61
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	10	2.61
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	10	2.61
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	10	2.61
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	10	2.61
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	10	2.61
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	10	2.61
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	10	2.61
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	10	2.61
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	10	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	2	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	2	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	2	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	2	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	2	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	2	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	2	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	2	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	2	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	2	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	2	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	2	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	9	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	9	2.61

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	9	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	9	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	9	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	9	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	9	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	9	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	9	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	9	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	9	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	9	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	13	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	13	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	13	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	13	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	13	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	13	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	13	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	13	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	13	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	13	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	13	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	13	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	19	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	19	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	19	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	19	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	19	2.61
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	19	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	19	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	19	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	19	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	19	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	19	2.61
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	19	2.61
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	11	2.61
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	17	2.61
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	17	2.61
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	17	2.61
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	11	2.6
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	11	2.6
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	20	2.6
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	10	2.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	3	2.6
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	3	2.6
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	3	2.6
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	15	2.59
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	15	2.59
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	19	2.59
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	19	2.59
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	18	2.59
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	18	2.59
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	10	2.59
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	10	2.59
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	13	2.59
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	13	2.59
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	13	2.59
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	6	2.59
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	6	2.59
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	6	2.59
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	10	2.59
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	10	2.59
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	10	2.59
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	1	2.59
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	1	2.59
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	1	2.59
(1,1693)	1:162:A:PRO:HG2	1:169:A:HIS:HE1	19	2.58
(1,1693)	1:162:A:PRO:HG3	1:169:A:HIS:HE1	19	2.58
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	3	2.58
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	3	2.58
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	3	2.58
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	3	2.58
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	3	2.58
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	3	2.58
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	3	2.58
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	3	2.58
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	3	2.58
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	3	2.58
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	3	2.58
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	3	2.58
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG2	4	2.58
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG3	4	2.58
(1,1360)	1:88:A:ARG:HG2	1:90:A:LEU:HA	14	2.58
(1,1360)	1:88:A:ARG:HG3	1:90:A:LEU:HA	14	2.58
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	6	2.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	6	2.58
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	19	2.58
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	19	2.58
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	11	2.58
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	11	2.58
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	11	2.58
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	7	2.58
(1,540)	1:109:A:GLN:HG2	1:111:A:VAL:H	2	2.58
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	18	2.58
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	18	2.58
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	18	2.58
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	4	2.57
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	4	2.57
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	4	2.57
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	4	2.57
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	4	2.57
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	4	2.57
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	4	2.57
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	4	2.57
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	4	2.57
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	4	2.57
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	4	2.57
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	4	2.57
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	10	2.57
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	10	2.57
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	10	2.57
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	10	2.57
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	10	2.57
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	10	2.57
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	10	2.57
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	10	2.57
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	10	2.57
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	10	2.57
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	10	2.57
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	10	2.57
(1,1360)	1:88:A:ARG:HG2	1:90:A:LEU:HA	11	2.57
(1,1360)	1:88:A:ARG:HG3	1:90:A:LEU:HA	11	2.57
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	13	2.57
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	17	2.57
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	17	2.57
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	17	2.57
(1,1800)	1:199:A:GLN:HB2	1:203:A:TRP:HD1	7	2.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:199:A:GLN:HB3	1:203:A:TRP:HD1	7	2.56
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	8	2.56
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	8	2.56
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	8	2.56
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	8	2.56
(1,1693)	1:162:A:PRO:HG2	1:169:A:HIS:HE1	20	2.56
(1,1693)	1:162:A:PRO:HG3	1:169:A:HIS:HE1	20	2.56
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	7	2.56
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	7	2.56
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	7	2.56
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	6	2.56
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	19	2.56
(1,642)	1:127:A:ASN:H	1:191:A:THR:HB	7	2.56
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	6	2.56
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	6	2.56
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	6	2.56
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	4	2.56
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	15	2.55
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	20	2.55
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	10	2.55
(1,402)	1:194:A:VAL:HB	1:203:A:TRP:HB2	16	2.55
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	1	2.55
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	1	2.55
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	1	2.55
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	1	2.55
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	1	2.55
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	1	2.55
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	10	2.55
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	10	2.55
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	10	2.55
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	13	2.55
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	13	2.55
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	13	2.55
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	17	2.55
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	14	2.54
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	14	2.54
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	18	2.54
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	17	2.53
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	17	2.53
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	17	2.53
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	17	2.53
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	17	2.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	17	2.53
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	17	2.53
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	17	2.53
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	17	2.53
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	17	2.53
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	17	2.53
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	17	2.53
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	18	2.53
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	18	2.53
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	18	2.53
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	18	2.53
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	18	2.53
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	18	2.53
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	18	2.53
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	18	2.53
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	18	2.53
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	18	2.53
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	18	2.53
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	18	2.53
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	20	2.53
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	20	2.53
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	15	2.53
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	15	2.53
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	15	2.53
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	6	2.53
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	15	2.53
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	3	2.53
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	3	2.53
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	5	2.53
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	5	2.53
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	5	2.53
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	12	2.52
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	12	2.52
(1,1543)	1:115:A:LEU:HD11	1:169:A:HIS:HE1	15	2.52
(1,1543)	1:115:A:LEU:HD12	1:169:A:HIS:HE1	15	2.52
(1,1543)	1:115:A:LEU:HD13	1:169:A:HIS:HE1	15	2.52
(1,1543)	1:115:A:LEU:HD21	1:169:A:HIS:HE1	15	2.52
(1,1543)	1:115:A:LEU:HD22	1:169:A:HIS:HE1	15	2.52
(1,1543)	1:115:A:LEU:HD23	1:169:A:HIS:HE1	15	2.52
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	5	2.52
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	13	2.52
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	13	2.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	13	2.52
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	13	2.52
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	13	2.52
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	13	2.52
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	8	2.51
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	8	2.51
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	8	2.51
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	8	2.51
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	8	2.51
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	8	2.51
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	8	2.51
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	8	2.51
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	8	2.51
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	8	2.51
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	8	2.51
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	8	2.51
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	12	2.51
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	17	2.51
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	17	2.51
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	17	2.51
(1,1360)	1:88:A:ARG:HG2	1:90:A:LEU:HA	12	2.5
(1,1360)	1:88:A:ARG:HG3	1:90:A:LEU:HA	12	2.5
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	5	2.5
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	5	2.5
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	5	2.5
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	12	2.49
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	12	2.49
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	15	2.49
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	15	2.49
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	15	2.49
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	15	2.49
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	15	2.49
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	15	2.49
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	15	2.49
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	15	2.49
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	15	2.49
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	15	2.49
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	15	2.49
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	15	2.49
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	3	2.49
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	3	2.49
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	11	2.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	11	2.49
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	5	2.49
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	5	2.49
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	5	2.49
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	19	2.49
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	12	2.49
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	12	2.49
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	13	2.49
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	13	2.49
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	14	2.49
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	14	2.49
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	14	2.49
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	17	2.49
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	17	2.49
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	17	2.49
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	10	2.49
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	10	2.49
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	10	2.49
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	11	2.48
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	11	2.48
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	11	2.48
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	11	2.48
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	12	2.48
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	12	2.48
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	12	2.48
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	12	2.48
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	12	2.48
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	12	2.48
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	12	2.48
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	12	2.48
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	12	2.48
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	12	2.48
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	12	2.48
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	12	2.48
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	8	2.48
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	8	2.48
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	8	2.48
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	8	2.48
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	8	2.48
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	8	2.48
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	8	2.48
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	8	2.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	8	2.48
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	8	2.48
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	8	2.48
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	8	2.48
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	12	2.48
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	12	2.48
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	12	2.48
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	12	2.48
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	12	2.48
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	12	2.48
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	12	2.48
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	12	2.48
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	12	2.48
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	12	2.48
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	12	2.48
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	12	2.48
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	20	2.48
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	20	2.48
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	20	2.48
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	6	2.48
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	15	2.48
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	15	2.48
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	15	2.48
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	15	2.48
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	19	2.47
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	19	2.47
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	16	2.47
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	16	2.47
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	16	2.47
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	16	2.47
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	16	2.47
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	16	2.47
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	16	2.47
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	16	2.47
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	16	2.47
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	16	2.47
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	16	2.47
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	16	2.47
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	4	2.47
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	4	2.47
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	4	2.47
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	20	2.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	20	2.47
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	20	2.47
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	12	2.47
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	12	2.47
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	12	2.47
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	19	2.47
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	19	2.47
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	19	2.47
(1,1800)	1:199:A:GLN:HB2	1:203:A:TRP:HD1	9	2.46
(1,1800)	1:199:A:GLN:HB3	1:203:A:TRP:HD1	9	2.46
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	9	2.46
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	9	2.46
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	9	2.46
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	14	2.46
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	14	2.46
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	6	2.45
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	6	2.45
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	6	2.45
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	6	2.45
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	6	2.45
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	6	2.45
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	6	2.45
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	6	2.45
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	6	2.45
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	6	2.45
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	6	2.45
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	6	2.45
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	11	2.45
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	11	2.45
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	11	2.45
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	11	2.45
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	11	2.45
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	11	2.45
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	11	2.45
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	11	2.45
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	11	2.45
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	11	2.45
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	11	2.45
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	11	2.45
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	3	2.45
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	3	2.45
(1,1360)	1:88:A:ARG:HG2	1:90:A:LEU:HA	3	2.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1360)	1:88:A:ARG:HG3	1:90:A:LEU:HA	3	2.45
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	9	2.45
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	9	2.45
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	4	2.45
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	4	2.45
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	3	2.45
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	19	2.44
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	19	2.44
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	19	2.44
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	19	2.44
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	19	2.44
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	19	2.44
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	8	2.44
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	8	2.44
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	8	2.44
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	8	2.44
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	8	2.44
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	8	2.44
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	8	2.44
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	8	2.44
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	8	2.44
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	8	2.44
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	8	2.44
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	8	2.44
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG2	16	2.44
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG3	16	2.44
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	16	2.44
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	16	2.44
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	16	2.44
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	2	2.44
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	2	2.44
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	2	2.44
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	16	2.43
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	16	2.43
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	16	2.43
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	16	2.43
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	16	2.43
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	16	2.43
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	16	2.43
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	16	2.43
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	16	2.43
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	16	2.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	16	2.43
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	16	2.43
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	20	2.43
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	16	2.43
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	16	2.43
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	16	2.43
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	2	2.43
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	2	2.43
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	2	2.43
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	17	2.43
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	17	2.43
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	17	2.43
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	19	2.43
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	9	2.43
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	9	2.43
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	9	2.43
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	19	2.42
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	19	2.42
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	19	2.42
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	19	2.42
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	19	2.42
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	19	2.42
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	9	2.42
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	9	2.42
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	9	2.42
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	9	2.42
(1,1693)	1:162:A:PRO:HG2	1:169:A:HIS:HE1	14	2.42
(1,1693)	1:162:A:PRO:HG3	1:169:A:HIS:HE1	14	2.42
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	5	2.42
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	5	2.42
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	5	2.42
(1,1360)	1:88:A:ARG:HG2	1:90:A:LEU:HA	19	2.41
(1,1360)	1:88:A:ARG:HG3	1:90:A:LEU:HA	19	2.41
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	10	2.41
(1,1160)	1:131:A:LYS:H	1:147:A:LEU:HG	3	2.41
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	7	2.41
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	3	2.41
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	3	2.41
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	3	2.41
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	16	2.4
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	16	2.4
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	16	2.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	16	2.4
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	16	2.4
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	16	2.4
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	1	2.4
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	1	2.4
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	1	2.4
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	1	2.4
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	1	2.4
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	1	2.4
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	1	2.4
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	1	2.4
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	1	2.4
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	1	2.4
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	1	2.4
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	1	2.4
(1,1238)	1:146:A:LEU:HG	1:160:A:ILE:H	2	2.4
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	4	2.4
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	15	2.4
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	7	2.39
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	7	2.39
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	7	2.39
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	7	2.39
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	7	2.39
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	7	2.39
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	7	2.39
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	7	2.39
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	7	2.39
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	7	2.39
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	7	2.39
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	7	2.39
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	2	2.39
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	2	2.39
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	2	2.39
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	7	2.39
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	7	2.39
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	7	2.39
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	7	2.39
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	7	2.39
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	7	2.39
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	4	2.39
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	8	2.39
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	8	2.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	8	2.39
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	12	2.39
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	14	2.39
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	14	2.39
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	14	2.39
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	15	2.39
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	15	2.39
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	15	2.39
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	3	2.39
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	3	2.39
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	14	2.38
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	14	2.38
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	20	2.38
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	20	2.38
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	20	2.38
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	3	2.38
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	11	2.38
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	17	2.38
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	12	2.38
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	17	2.38
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	20	2.37
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	20	2.37
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	10	2.37
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	10	2.37
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	13	2.37
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	13	2.37
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	13	2.37
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	7	2.37
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	13	2.37
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	13	2.37
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	13	2.37
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	14	2.37
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	4	2.36
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	4	2.36
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	4	2.36
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	4	2.36
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	4	2.36
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	4	2.36
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	4	2.36
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	4	2.36
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	4	2.36
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	4	2.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	4	2.36
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	4	2.36
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	13	2.36
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	13	2.36
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	13	2.36
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	3	2.36
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	3	2.36
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	3	2.36
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	18	2.36
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	18	2.36
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	18	2.36
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	7	2.36
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	7	2.36
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	7	2.36
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	5	2.36
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	5	2.36
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	5	2.36
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	18	2.35
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	2	2.35
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	2	2.35
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	2	2.35
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	17	2.35
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	3	2.35
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	5	2.34
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	5	2.34
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	10	2.34
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	10	2.34
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	10	2.34
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	10	2.34
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	10	2.34
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	10	2.34
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	10	2.34
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	10	2.34
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	18	2.34
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	18	2.34
(1,540)	1:109:A:GLN:HG2	1:111:A:VAL:H	4	2.34
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	12	2.34
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	12	2.34
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	12	2.34
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	12	2.34
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	12	2.34
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	12	2.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	4	2.34
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	4	2.34
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	4	2.34
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	4	2.34
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	4	2.34
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	4	2.34
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	13	2.33
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	13	2.33
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	13	2.33
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	13	2.33
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG2	6	2.33
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG3	6	2.33
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG2	14	2.33
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG3	14	2.33
(1,1360)	1:88:A:ARG:HG2	1:90:A:LEU:HA	6	2.33
(1,1360)	1:88:A:ARG:HG3	1:90:A:LEU:HA	6	2.33
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	17	2.33
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	20	2.33
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	20	2.33
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	20	2.33
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	6	2.33
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	1	2.33
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	1	2.33
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	8	2.33
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	8	2.33
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	18	2.33
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	18	2.33
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	18	2.33
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	17	2.32
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	17	2.32
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	17	2.32
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	17	2.32
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	17	2.32
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	17	2.32
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	4	2.32
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	7	2.32
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	4	2.32
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	16	2.32
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	3	2.32
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	3	2.32
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	3	2.32
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	3	2.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	3	2.31
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	16	2.31
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	11	2.31
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	11	2.31
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	19	2.31
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	6	2.31
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	6	2.31
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	6	2.31
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	17	2.3
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	17	2.3
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	17	2.3
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	17	2.3
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	17	2.3
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	17	2.3
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	17	2.3
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	17	2.3
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	11	2.3
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	11	2.3
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	11	2.3
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	11	2.3
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	11	2.3
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	11	2.3
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	2	2.3
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	10	2.3
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	13	2.3
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	2	2.3
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	2	2.3
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	2	2.3
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	2	2.3
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	14	2.3
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	14	2.3
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	14	2.3
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	7	2.3
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	7	2.3
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	7	2.3
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	10	2.29
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	10	2.29
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	10	2.29
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	10	2.29
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	10	2.29
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	10	2.29
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	3	2.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	3	2.29
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	3	2.29
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	3	2.29
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	12	2.29
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	12	2.29
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	12	2.29
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	12	2.29
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	12	2.29
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	12	2.29
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG2	10	2.29
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG3	10	2.29
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	4	2.29
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	5	2.29
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	5	2.29
(1,377)	1:129:A:ILE:HD11	1:193:A:ARG:HA	4	2.29
(1,377)	1:129:A:ILE:HD12	1:193:A:ARG:HA	4	2.29
(1,377)	1:129:A:ILE:HD13	1:193:A:ARG:HA	4	2.29
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	17	2.29
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	17	2.29
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	17	2.29
(1,1651)	1:136:A:VAL:HG11	1:139:A:ASP:HA	9	2.28
(1,1651)	1:136:A:VAL:HG12	1:139:A:ASP:HA	9	2.28
(1,1651)	1:136:A:VAL:HG13	1:139:A:ASP:HA	9	2.28
(1,1651)	1:136:A:VAL:HG21	1:139:A:ASP:HA	9	2.28
(1,1651)	1:136:A:VAL:HG22	1:139:A:ASP:HA	9	2.28
(1,1651)	1:136:A:VAL:HG23	1:139:A:ASP:HA	9	2.28
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	6	2.28
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	6	2.28
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	6	2.28
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	6	2.28
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	6	2.28
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	6	2.28
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	16	2.28
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	16	2.28
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	16	2.28
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	16	2.28
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	16	2.28
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	16	2.28
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	20	2.28
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	20	2.28
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	20	2.28
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	20	2.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	20	2.28
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	20	2.28
(1,414)	1:182:A:ILE:HD11	1:203:A:TRP:HH2	13	2.28
(1,414)	1:182:A:ILE:HD12	1:203:A:TRP:HH2	13	2.28
(1,414)	1:182:A:ILE:HD13	1:203:A:TRP:HH2	13	2.28
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	1	2.28
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	1	2.28
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	1	2.28
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	11	2.27
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	11	2.27
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	11	2.27
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	11	2.27
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	11	2.27
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	11	2.27
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	11	2.27
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	11	2.27
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	11	2.27
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	11	2.27
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	11	2.27
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	11	2.27
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	1	2.27
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	1	2.27
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	6	2.27
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	6	2.27
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	4	2.27
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	4	2.27
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	4	2.27
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	16	2.26
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	16	2.26
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	20	2.26
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	20	2.26
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	14	2.26
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	14	2.26
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	14	2.26
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	20	2.26
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	20	2.26
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	20	2.26
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	14	2.26
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	14	2.26
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	14	2.26
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	18	2.25
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	18	2.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	13	2.25
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	8	2.25
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	10	2.25
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	9	2.25
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	9	2.25
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	9	2.25
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	2	2.24
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	2	2.24
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	2	2.24
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	2	2.24
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	2	2.24
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	2	2.24
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	2	2.24
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	2	2.24
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	2	2.24
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	2	2.24
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	2	2.24
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	2	2.24
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	2	2.24
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	2	2.24
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	2	2.24
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	2	2.24
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	2	2.24
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	2	2.24
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	2	2.24
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	2	2.24
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	8	2.24
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	1	2.24
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	17	2.24
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	19	2.24
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	19	2.24
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	19	2.24
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	19	2.24
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	19	2.24
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	14	2.24
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	16	2.24
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	7	2.24
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	9	2.24
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	3	2.23
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	3	2.23
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	3	2.23
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	3	2.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	3	2.23
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	3	2.23
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	3	2.23
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	3	2.23
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	3	2.23
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	3	2.23
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	3	2.23
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	3	2.23
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	5	2.23
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	5	2.23
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	9	2.23
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	9	2.23
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	14	2.23
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	14	2.23
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	14	2.23
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	14	2.23
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	14	2.23
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	14	2.23
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	14	2.23
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	14	2.23
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	14	2.23
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	14	2.23
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	14	2.23
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	14	2.23
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	10	2.23
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	11	2.23
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	14	2.23
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	14	2.23
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	14	2.23
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	14	2.22
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	14	2.22
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	12	2.22
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	12	2.22
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	18	2.22
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	18	2.22
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	11	2.22
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	8	2.22
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	8	2.22
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	8	2.22
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	4	2.22
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG2	3	2.21
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG3	3	2.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:105:A:LEU:HG	1:120:A:ASP:H	18	2.21
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	15	2.21
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	15	2.21
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	15	2.21
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	11	2.21
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	11	2.21
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	11	2.21
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	1	2.21
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	14	2.21
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	4	2.2
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	4	2.2
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	4	2.2
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	4	2.2
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	4	2.2
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	4	2.2
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	4	2.2
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	4	2.2
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	4	2.2
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	4	2.2
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	4	2.2
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	4	2.2
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	7	2.2
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	7	2.2
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	7	2.2
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	7	2.2
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	7	2.2
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	7	2.2
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	9	2.2
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	9	2.2
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	9	2.2
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	9	2.2
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	9	2.2
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	9	2.2
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	8	2.2
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	12	2.2
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	20	2.2
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	20	2.2
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	20	2.2
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	6	2.2
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	6	2.2
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	6	2.2
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	11	2.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	11	2.2
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	11	2.2
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	18	2.2
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	18	2.2
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	18	2.2
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	19	2.2
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	19	2.2
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	19	2.2
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	3	2.2
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	3	2.2
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	3	2.2
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	13	2.19
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	13	2.19
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	13	2.19
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	13	2.19
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	13	2.19
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	13	2.19
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	12	2.19
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	12	2.19
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	12	2.19
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	12	2.19
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	14	2.19
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	14	2.19
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	14	2.19
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	14	2.19
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	8	2.19
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	8	2.19
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	8	2.19
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	8	2.19
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	8	2.19
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	8	2.19
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	8	2.19
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	8	2.19
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	8	2.19
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	8	2.19
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	8	2.19
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	8	2.19
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	9	2.19
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	9	2.19
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	9	2.19
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	9	2.19
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	9	2.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	9	2.19
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	9	2.19
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	9	2.19
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	9	2.19
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	9	2.19
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	9	2.19
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	9	2.19
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	8	2.19
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	8	2.19
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	8	2.19
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	20	2.19
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	11	2.19
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	11	2.19
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	11	2.19
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	7	2.19
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	7	2.19
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	7	2.19
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	4	2.19
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	4	2.19
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	4	2.19
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	5	2.19
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	2	2.19
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	11	2.19
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	11	2.19
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	11	2.19
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	5	2.18
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	5	2.18
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	5	2.18
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	5	2.18
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	5	2.18
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	5	2.18
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	15	2.18
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	15	2.18
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	15	2.18
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	15	2.18
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	15	2.18
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	15	2.18
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	15	2.18
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	15	2.18
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	15	2.18
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	15	2.18
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	15	2.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	15	2.18
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	15	2.18
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	8	2.18
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	8	2.18
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	8	2.18
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	5	2.18
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	16	2.18
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	18	2.17
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	18	2.17
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	7	2.17
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	7	2.17
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	7	2.17
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	19	2.17
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	19	2.17
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	19	2.17
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	2	2.17
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	2	2.17
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	2	2.17
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	1	2.17
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	9	2.17
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	9	2.17
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	9	2.17
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	9	2.17
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	1	2.17
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	1	2.17
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	1	2.17
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	10	2.17
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	10	2.17
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	10	2.17
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	12	2.16
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	12	2.16
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	18	2.16
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	1	2.16
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	2	2.16
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	19	2.16
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	20	2.16
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	20	2.16
(1,411)	1:202:A:ALA:HB1	1:203:A:TRP:HE3	13	2.16
(1,411)	1:202:A:ALA:HB2	1:203:A:TRP:HE3	13	2.16
(1,411)	1:202:A:ALA:HB3	1:203:A:TRP:HE3	13	2.16
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG2	11	2.15
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG3	11	2.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	5	2.15
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	5	2.15
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	5	2.15
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	4	2.15
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	4	2.15
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	4	2.15
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	16	2.15
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	10	2.15
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	10	2.15
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	19	2.15
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	20	2.15
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	15	2.15
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	17	2.14
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	17	2.14
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	19	2.14
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	19	2.14
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	19	2.14
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	19	2.14
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	19	2.14
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	19	2.14
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	19	2.14
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	19	2.14
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	19	2.14
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	19	2.14
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	19	2.14
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	19	2.14
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	9	2.14
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	9	2.14
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	9	2.14
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	2	2.13
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	2	2.13
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	2	2.13
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	2	2.13
(1,1360)	1:88:A:ARG:HG2	1:90:A:LEU:HA	7	2.13
(1,1360)	1:88:A:ARG:HG3	1:90:A:LEU:HA	7	2.13
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	14	2.13
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	16	2.13
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	16	2.13
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	16	2.13
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	16	2.13
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	6	2.13
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	7	2.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	14	2.13
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	14	2.13
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	14	2.13
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	14	2.13
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	14	2.13
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	14	2.13
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	14	2.13
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	14	2.13
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	14	2.13
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	3	2.12
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	3	2.12
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	3	2.12
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	3	2.12
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	3	2.12
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	3	2.12
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	3	2.12
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	3	2.12
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	3	2.12
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	3	2.12
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	3	2.12
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	3	2.12
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	3	2.12
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	3	2.12
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	3	2.12
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	3	2.12
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	3	2.12
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	3	2.12
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	7	2.12
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	7	2.12
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	3	2.12
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	8	2.12
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	14	2.12
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	14	2.12
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	1	2.12
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	1	2.12
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	1	2.12
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	1	2.12
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	1	2.12
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	1	2.12
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	1	2.12
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	1	2.12
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	1	2.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	2	2.12
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	2	2.12
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	2	2.12
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	6	2.12
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	17	2.12
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	16	2.12
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	16	2.12
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	16	2.12
(1,1439)	1:100:A:ARG:HG2	1:102:A:TRP:HA	18	2.11
(1,1439)	1:100:A:ARG:HG3	1:102:A:TRP:HA	18	2.11
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	13	2.11
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	19	2.11
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	19	2.11
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	19	2.11
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	18	2.11
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	1	2.1
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	1	2.1
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	1	2.1
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	1	2.1
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	1	2.1
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	1	2.1
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG2	20	2.1
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG3	20	2.1
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	1	2.1
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	1	2.1
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	1	2.1
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	2	2.1
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	2	2.1
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	2	2.1
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	11	2.1
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	11	2.1
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	11	2.1
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	20	2.1
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	3	2.1
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	18	2.1
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	18	2.1
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	18	2.1
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	18	2.1
(1,1693)	1:162:A:PRO:HG2	1:169:A:HIS:HE1	5	2.09
(1,1693)	1:162:A:PRO:HG3	1:169:A:HIS:HE1	5	2.09
(1,1442)	1:100:A:ARG:HD2	1:156:A:ILE:H	14	2.09
(1,1442)	1:100:A:ARG:HD3	1:156:A:ILE:H	14	2.09

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	9	2.09
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	9	2.09
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	9	2.09
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	9	2.09
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	9	2.09
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	9	2.09
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	9	2.09
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	9	2.09
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	9	2.09
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	9	2.09
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	9	2.09
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	9	2.09
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	14	2.09
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	14	2.09
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	9	2.09
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	9	2.09
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	20	2.09
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	20	2.09
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	13	2.09
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	13	2.09
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	13	2.09
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	11	2.09
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	11	2.09
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	17	2.09
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	17	2.09
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	19	2.09
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	19	2.09
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	19	2.09
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	19	2.09
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	19	2.09
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	19	2.09
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	19	2.09
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	19	2.09
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	19	2.09
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	18	2.09
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	18	2.09
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	18	2.09
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	8	2.09
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	8	2.09
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	8	2.09
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	7	2.08
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	7	2.08

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	7	2.08
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	4	2.08
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	2	2.08
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	2	2.08
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	2	2.08
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	2	2.08
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	2	2.08
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	2	2.08
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	2	2.08
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	2	2.08
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	2	2.08
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	3	2.08
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	3	2.08
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	3	2.08
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	3	2.08
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	3	2.08
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	3	2.08
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	3	2.08
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	3	2.08
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	3	2.08
(1,1360)	1:88:A:ARG:HG2	1:90:A:LEU:HA	1	2.07
(1,1360)	1:88:A:ARG:HG3	1:90:A:LEU:HA	1	2.07
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	18	2.07
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	18	2.07
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	18	2.07
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	18	2.07
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	18	2.07
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	18	2.07
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	8	2.07
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	8	2.07
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	13	2.07
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	13	2.07
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	13	2.07
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	20	2.07
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	8	2.07
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	6	2.06
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	6	2.06
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	6	2.06
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	6	2.06
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	6	2.06
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	6	2.06
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	6	2.06

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	6	2.06
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	6	2.06
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	6	2.06
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	6	2.06
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	6	2.06
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	15	2.06
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	15	2.06
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	15	2.06
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	11	2.06
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	11	2.06
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	11	2.06
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	8	2.06
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	8	2.06
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	8	2.06
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	8	2.06
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	8	2.06
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	8	2.06
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	4	2.06
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	4	2.06
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	4	2.06
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	4	2.06
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	4	2.06
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	4	2.06
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	4	2.06
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	4	2.06
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	4	2.06
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	8	2.06
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	8	2.06
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	8	2.06
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	8	2.06
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	8	2.06
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	8	2.06
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	8	2.06
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	8	2.06
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	8	2.06
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	16	2.05
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	16	2.05
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	16	2.05
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	3	2.05
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	3	2.05
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	3	2.05
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	3	2.05

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	3	2.05
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	3	2.05
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	15	2.05
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	15	2.05
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	15	2.05
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	6	2.05
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	6	2.05
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	6	2.05
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	8	2.05
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	8	2.05
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	8	2.05
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	5	2.05
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	10	2.05
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	10	2.05
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	10	2.05
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	20	2.05
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	20	2.05
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	20	2.05
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	3	2.05
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB2	9	2.05
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB3	9	2.05
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB2	9	2.05
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB3	9	2.05
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	9	2.05
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	9	2.05
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	9	2.05
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	9	2.05
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	3	2.04
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	3	2.04
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	17	2.04
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	17	2.04
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	17	2.04
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	17	2.04
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	17	2.04
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	17	2.04
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	17	2.04
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	17	2.04
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	17	2.04
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	17	2.04
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	17	2.04
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	17	2.04
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	10	2.04

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	14	2.04
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	14	2.04
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	14	2.04
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	15	2.04
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	6	2.04
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	6	2.04
(1,1043)	1:129:A:ILE:HG13	1:195:A:SER:H	2	2.04
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	3	2.04
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	3	2.04
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	3	2.04
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	18	2.04
(1,383)	1:129:A:ILE:HD11	1:195:A:SER:H	2	2.04
(1,383)	1:129:A:ILE:HD12	1:195:A:SER:H	2	2.04
(1,383)	1:129:A:ILE:HD13	1:195:A:SER:H	2	2.04
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	17	2.04
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	17	2.04
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	7	2.04
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	7	2.04
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	7	2.04
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB2	16	2.04
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB3	16	2.04
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB2	16	2.04
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB3	16	2.04
(1,1439)	1:100:A:ARG:HG2	1:102:A:TRP:HA	11	2.03
(1,1439)	1:100:A:ARG:HG3	1:102:A:TRP:HA	11	2.03
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	19	2.03
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	14	2.03
(1,1123)	1:109:A:GLN:HG2	1:117:A:ILE:H	2	2.03
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	9	2.03
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	9	2.03
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	9	2.03
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	7	2.03
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	7	2.03
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	7	2.03
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	17	2.03
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	17	2.03
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	17	2.03
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	14	2.03
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	1	2.03
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	1	2.03
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	20	2.03
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	20	2.03

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	18	2.03
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	18	2.03
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	17	2.03
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	17	2.03
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	17	2.03
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	18	2.02
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	18	2.02
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	18	2.02
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	18	2.02
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	18	2.02
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	18	2.02
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	14	2.02
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	14	2.02
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	14	2.02
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	14	2.02
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	14	2.02
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	14	2.02
(1,1543)	1:115:A:LEU:HD11	1:169:A:HIS:HE1	9	2.02
(1,1543)	1:115:A:LEU:HD12	1:169:A:HIS:HE1	9	2.02
(1,1543)	1:115:A:LEU:HD13	1:169:A:HIS:HE1	9	2.02
(1,1543)	1:115:A:LEU:HD21	1:169:A:HIS:HE1	9	2.02
(1,1543)	1:115:A:LEU:HD22	1:169:A:HIS:HE1	9	2.02
(1,1543)	1:115:A:LEU:HD23	1:169:A:HIS:HE1	9	2.02
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	18	2.02
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	18	2.02
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	18	2.02
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	18	2.02
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	18	2.02
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	18	2.02
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	11	2.02
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	11	2.02
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	11	2.02
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	15	2.02
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	15	2.02
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	12	2.02
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	12	2.02
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	12	2.02
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	6	2.02
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	20	2.02
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	20	2.02
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	11	2.02
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	19	2.02

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	19	2.02
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	19	2.02
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	16	2.01
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	16	2.01
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	16	2.01
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	16	2.01
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	16	2.01
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	16	2.01
(1,1439)	1:100:A:ARG:HG2	1:102:A:TRP:HA	5	2.01
(1,1439)	1:100:A:ARG:HG3	1:102:A:TRP:HA	5	2.01
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	13	2.01
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	13	2.01
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	11	2.01
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	14	2.01
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	8	2.01
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	8	2.01
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	6	2.01
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	6	2.01
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	6	2.01
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	6	2.01
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	6	2.01
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	6	2.01
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	6	2.01
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	6	2.01
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	6	2.01
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	12	2.0
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	12	2.0
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	12	2.0
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	12	2.0
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	12	2.0
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	12	2.0
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	12	2.0
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	12	2.0
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	12	2.0
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	12	2.0
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	12	2.0
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	12	2.0
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG2	16	2.0
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG3	16	2.0
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	9	2.0
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	9	2.0
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	9	2.0

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	9	2.0
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	9	2.0
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	9	2.0
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	11	2.0
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	12	2.0
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	3	2.0
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	3	2.0
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	19	2.0
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	19	2.0
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	19	2.0
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG11	9	2.0
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG12	9	2.0
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG13	9	2.0
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	14	2.0
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	14	2.0
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	14	2.0
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	6	2.0
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	11	2.0
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	14	2.0
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	14	2.0
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	14	2.0
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	4	2.0
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	4	2.0
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	4	2.0
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	12	2.0
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	12	2.0
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	12	2.0
(1,430)	1:137:A:ILE:H	1:142:A:GLU:H	13	2.0
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	11	2.0
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	11	2.0
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	11	2.0
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	15	1.99
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	15	1.99
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	15	1.99
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	15	1.99
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	15	1.99
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	15	1.99
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	6	1.99
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	6	1.99
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	17	1.99
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	17	1.99
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	17	1.99

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	18	1.99
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	5	1.99
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	5	1.99
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	8	1.99
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	2	1.98
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	2	1.98
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	2	1.98
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	2	1.98
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	2	1.98
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	2	1.98
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	2	1.98
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	2	1.98
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	2	1.98
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	2	1.98
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	2	1.98
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	2	1.98
(1,1693)	1:162:A:PRO:HG2	1:169:A:HIS:HE1	4	1.98
(1,1693)	1:162:A:PRO:HG3	1:169:A:HIS:HE1	4	1.98
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	1	1.98
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	4	1.98
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	4	1.98
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	1	1.98
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	1	1.98
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	1	1.98
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	4	1.98
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	18	1.98
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	18	1.98
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	18	1.98
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	10	1.98
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	10	1.98
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	10	1.98
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD1	20	1.97
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD2	20	1.97
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD1	20	1.97
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD2	20	1.97
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	6	1.97
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	6	1.97
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	6	1.97
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	6	1.97
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	6	1.97
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	6	1.97
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	19	1.97

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	19	1.97
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	19	1.97
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	19	1.97
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	19	1.97
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	19	1.97
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	10	1.97
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	10	1.97
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	18	1.97
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	11	1.97
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	11	1.97
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	11	1.97
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	3	1.97
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	3	1.97
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	3	1.97
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	17	1.97
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	17	1.97
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	17	1.97
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	5	1.97
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	5	1.97
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	5	1.97
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	19	1.97
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	19	1.97
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	15	1.97
(1,1439)	1:100:A:ARG:HG2	1:102:A:TRP:HA	12	1.96
(1,1439)	1:100:A:ARG:HG3	1:102:A:TRP:HA	12	1.96
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	20	1.96
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	20	1.96
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	8	1.96
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	18	1.96
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	5	1.96
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	20	1.96
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	9	1.96
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	9	1.96
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	15	1.96
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	15	1.96
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	1	1.96
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	1	1.96
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	1	1.96
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	1	1.96
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	1	1.96
(1,5)	1:197:A:THR:HB	1:201:A:PHE:HE1	2	1.96
(1,5)	1:197:A:THR:HB	1:201:A:PHE:HE2	2	1.96

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1439)	1:100:A:ARG:HG2	1:102:A:TRP:HA	14	1.95
(1,1439)	1:100:A:ARG:HG3	1:102:A:TRP:HA	14	1.95
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	1	1.95
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	1	1.95
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	2	1.95
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	2	1.95
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD21	3	1.95
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD22	3	1.95
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD23	3	1.95
(1,1123)	1:109:A:GLN:HG2	1:117:A:ILE:H	4	1.95
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	4	1.95
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	15	1.95
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	16	1.95
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	16	1.95
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	16	1.95
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	16	1.95
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	16	1.95
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	16	1.95
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	10	1.95
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	10	1.95
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	10	1.95
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	10	1.95
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	10	1.95
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	10	1.95
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	10	1.95
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	10	1.95
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	10	1.95
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	1	1.95
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	1	1.95
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	1	1.95
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	6	1.95
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	6	1.95
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	6	1.95
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	6	1.95
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	6	1.95
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	6	1.95
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	3	1.95
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	3	1.95
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	3	1.95
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	2	1.95
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	2	1.95
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	2	1.95

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	6	1.94
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	6	1.94
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	2	1.94
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	2	1.94
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	2	1.94
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	2	1.94
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	2	1.94
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	2	1.94
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	16	1.94
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	16	1.94
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	16	1.94
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	12	1.94
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG21	6	1.94
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG22	6	1.94
(1,370)	1:129:A:ILE:HA	1:191:A:THR:HG23	6	1.94
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	5	1.94
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	5	1.94
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	19	1.94
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	19	1.94
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	6	1.94
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	6	1.94
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	6	1.94
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	6	1.94
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	18	1.94
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	18	1.94
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	18	1.94
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	7	1.93
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	7	1.93
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	20	1.93
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	20	1.93
(1,1439)	1:100:A:ARG:HG2	1:102:A:TRP:HA	15	1.93
(1,1439)	1:100:A:ARG:HG3	1:102:A:TRP:HA	15	1.93
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	19	1.93
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	19	1.93
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	20	1.93
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	20	1.93
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	20	1.93
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	20	1.93
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	20	1.93
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	20	1.93
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	20	1.93
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	20	1.93

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	20	1.93
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	20	1.93
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	20	1.93
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	20	1.93
(1,1188)	1:144:A:LEU:HG	1:145:A:ILE:H	7	1.93
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	9	1.93
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	11	1.93
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	19	1.93
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	12	1.93
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	12	1.93
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	12	1.93
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	8	1.93
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	8	1.93
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	8	1.93
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	8	1.93
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	8	1.93
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	8	1.93
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	8	1.93
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	8	1.93
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	12	1.93
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	12	1.93
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	12	1.93
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG11	12	1.92
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG12	12	1.92
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG13	12	1.92
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG21	12	1.92
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG22	12	1.92
(1,1702)	1:169:A:HIS:HE1	1:174:A:VAL:HG23	12	1.92
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	20	1.92
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	20	1.92
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	20	1.92
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	20	1.92
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	3	1.92
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	3	1.92
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	3	1.92
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	3	1.92
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	3	1.92
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	3	1.92
(1,1439)	1:100:A:ARG:HG2	1:102:A:TRP:HA	2	1.92
(1,1439)	1:100:A:ARG:HG3	1:102:A:TRP:HA	2	1.92
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	13	1.92
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	13	1.92

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	13	1.92
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	13	1.92
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	13	1.92
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	13	1.92
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	13	1.92
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	13	1.92
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	13	1.92
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	13	1.92
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	13	1.92
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	13	1.92
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	6	1.92
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	11	1.92
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	11	1.92
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	5	1.92
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	7	1.92
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	1	1.92
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	17	1.92
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	8	1.92
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	4	1.92
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	4	1.92
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	2	1.92
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	2	1.92
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	2	1.92
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	3	1.91
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	3	1.91
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	2	1.91
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	10	1.91
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	1	1.91
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	1	1.91
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	12	1.91
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	12	1.91
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	8	1.91
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	5	1.91
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	5	1.91
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	5	1.91
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	10	1.91
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	4	1.91
(1,416)	1:182:A:ILE:HG21	1:203:A:TRP:HZ2	13	1.91
(1,416)	1:182:A:ILE:HG22	1:203:A:TRP:HZ2	13	1.91
(1,416)	1:182:A:ILE:HG23	1:203:A:TRP:HZ2	13	1.91
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	15	1.91
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	15	1.91

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	15	1.91
(1,150)	1:131:A:LYS:HA	1:147:A:LEU:HG	3	1.91
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	12	1.91
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	17	1.91
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	17	1.91
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	17	1.91
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	15	1.9
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	15	1.9
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	15	1.9
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	15	1.9
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	15	1.9
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	15	1.9
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	2	1.9
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	2	1.9
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	2	1.9
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	2	1.9
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	2	1.9
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	2	1.9
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	5	1.9
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	5	1.9
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	5	1.9
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	5	1.9
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	5	1.9
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	5	1.9
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	11	1.9
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	11	1.9
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	14	1.9
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	14	1.9
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	1	1.9
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	1	1.9
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	1	1.9
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	1	1.9
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	1	1.9
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	1	1.9
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	16	1.9
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	16	1.9
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	16	1.9
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	13	1.9
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	1	1.9
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	7	1.9
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	7	1.9
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD21	5	1.9

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD22	5	1.9
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD23	5	1.9
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	8	1.9
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	8	1.9
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	8	1.9
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	5	1.9
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	19	1.9
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	19	1.9
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	19	1.9
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	7	1.9
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	7	1.9
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	2	1.9
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	2	1.9
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	2	1.9
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	6	1.9
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	6	1.9
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	6	1.9
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	11	1.89
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	11	1.89
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB2	5	1.89
(1,1402)	1:95:A:LEU:HD11	1:96:A:GLU:HB3	5	1.89
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB2	5	1.89
(1,1402)	1:95:A:LEU:HD12	1:96:A:GLU:HB3	5	1.89
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB2	5	1.89
(1,1402)	1:95:A:LEU:HD13	1:96:A:GLU:HB3	5	1.89
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB2	5	1.89
(1,1402)	1:95:A:LEU:HD21	1:96:A:GLU:HB3	5	1.89
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB2	5	1.89
(1,1402)	1:95:A:LEU:HD22	1:96:A:GLU:HB3	5	1.89
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB2	5	1.89
(1,1402)	1:95:A:LEU:HD23	1:96:A:GLU:HB3	5	1.89
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	7	1.89
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	7	1.89
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	7	1.89
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	8	1.89
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	8	1.89
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	8	1.89
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	5	1.89
(1,384)	1:129:A:ILE:HD11	1:195:A:SER:HA	2	1.89
(1,384)	1:129:A:ILE:HD12	1:195:A:SER:HA	2	1.89
(1,384)	1:129:A:ILE:HD13	1:195:A:SER:HA	2	1.89
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	4	1.89

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	5	1.89
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	5	1.89
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	5	1.89
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	12	1.89
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	12	1.89
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	12	1.89
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	4	1.89
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	4	1.89
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	4	1.89
(1,102)	1:105:A:LEU:HG	1:120:A:ASP:HA	18	1.89
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	15	1.88
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	15	1.88
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	15	1.88
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	15	1.88
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	15	1.88
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	15	1.88
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	6	1.88
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	6	1.88
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	16	1.88
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	2	1.88
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	2	1.88
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	7	1.88
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	12	1.88
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	12	1.88
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	12	1.88
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	17	1.88
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	17	1.88
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	17	1.88
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	14	1.87
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	14	1.87
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	14	1.87
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	14	1.87
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	14	1.87
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	14	1.87
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	18	1.87
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	18	1.87
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	6	1.87
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	10	1.87
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	10	1.87
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	10	1.87
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	16	1.87
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	16	1.87

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD11	19	1.87
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD12	19	1.87
(1,805)	1:159:A:GLU:H	1:160:A:ILE:HD13	19	1.87
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	4	1.87
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	6	1.87
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	17	1.87
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	12	1.87
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	12	1.87
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	12	1.87
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	3	1.87
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	3	1.87
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	3	1.87
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	16	1.87
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	16	1.87
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	16	1.87
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	5	1.87
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	5	1.87
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	5	1.87
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	7	1.87
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	7	1.87
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	7	1.87
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	19	1.87
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	5	1.86
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	5	1.86
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	7	1.86
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	7	1.86
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	15	1.86
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	15	1.86
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	20	1.86
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	20	1.86
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	20	1.86
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	20	1.86
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	20	1.86
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	20	1.86
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	20	1.86
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	20	1.86
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	20	1.86
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	14	1.86
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	11	1.86
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	11	1.86
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	11	1.86
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	11	1.85

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	11	1.85
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	11	1.85
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	11	1.85
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	11	1.85
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	11	1.85
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	13	1.85
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	13	1.85
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	13	1.85
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	13	1.85
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	13	1.85
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	13	1.85
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	14	1.85
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	14	1.85
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	14	1.85
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	14	1.85
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD1	2	1.85
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD2	2	1.85
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD1	2	1.85
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD2	2	1.85
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD1	2	1.85
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD2	2	1.85
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	1	1.85
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	16	1.85
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	3	1.85
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	3	1.85
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	3	1.85
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	3	1.85
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	3	1.85
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	3	1.85
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	2	1.85
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	2	1.85
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	11	1.85
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	11	1.85
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	11	1.85
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	13	1.85
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	13	1.85
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	13	1.85
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	4	1.85
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	4	1.85
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	4	1.85
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	19	1.85
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	19	1.85

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	19	1.85
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	20	1.85
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	20	1.85
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	20	1.85
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	11	1.85
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	11	1.85
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	11	1.85
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	16	1.84
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	16	1.84
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	16	1.84
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	16	1.84
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	16	1.84
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	16	1.84
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	5	1.84
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	5	1.84
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	5	1.84
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	5	1.84
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	6	1.84
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	6	1.84
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	6	1.84
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	6	1.84
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	6	1.84
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	6	1.84
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	3	1.84
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	3	1.84
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	3	1.84
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	12	1.84
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	12	1.84
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	12	1.84
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	9	1.84
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	13	1.84
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	8	1.84
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	6	1.84
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	1	1.84
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	1	1.84
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	1	1.84
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	17	1.84
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	17	1.84
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	17	1.84
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	17	1.84
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	17	1.84
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	17	1.84

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	17	1.84
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	17	1.84
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	17	1.84
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	11	1.84
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	11	1.84
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	11	1.84
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	20	1.84
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	20	1.84
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	20	1.84
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	6	1.84
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	8	1.84
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	8	1.84
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	8	1.84
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	9	1.84
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	19	1.83
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	19	1.83
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	19	1.83
(1,1225)	1:119:A:MET:HB2	1:157:A:VAL:H	9	1.83
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	15	1.83
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	15	1.83
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	17	1.83
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	17	1.83
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	2	1.83
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	13	1.83
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	13	1.83
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	10	1.83
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	10	1.83
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	10	1.83
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	5	1.83
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	5	1.83
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	5	1.83
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	5	1.83
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	5	1.83
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	5	1.83
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	5	1.83
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	5	1.83
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	5	1.83
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	15	1.83
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	15	1.83
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	15	1.83
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	8	1.83
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	8	1.83

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	8	1.83
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	16	1.83
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	18	1.83
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	18	1.83
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	18	1.83
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	10	1.82
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	10	1.82
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	10	1.82
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	14	1.82
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	8	1.82
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	12	1.82
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	7	1.82
(1,416)	1:182:A:ILE:HG21	1:203:A:TRP:HZ2	20	1.82
(1,416)	1:182:A:ILE:HG22	1:203:A:TRP:HZ2	20	1.82
(1,416)	1:182:A:ILE:HG23	1:203:A:TRP:HZ2	20	1.82
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	3	1.82
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	3	1.82
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	3	1.82
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	13	1.82
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	10	1.82
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	10	1.82
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	10	1.82
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	13	1.82
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	13	1.82
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	13	1.82
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	20	1.82
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	20	1.82
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	20	1.82
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	7	1.82
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	15	1.82
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	15	1.82
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	15	1.82
(1,1693)	1:162:A:PRO:HG2	1:169:A:HIS:HE1	10	1.81
(1,1693)	1:162:A:PRO:HG3	1:169:A:HIS:HE1	10	1.81
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	20	1.81
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	20	1.81
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	2	1.81
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	6	1.81
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	6	1.81
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	6	1.81
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	9	1.81
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	9	1.81

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	9	1.81
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	4	1.81
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	19	1.81
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	2	1.81
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	16	1.81
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	16	1.81
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	16	1.81
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	15	1.81
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	19	1.81
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	13	1.81
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	13	1.81
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	13	1.81
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	14	1.81
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	14	1.81
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	14	1.81
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	12	1.81
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	12	1.81
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	12	1.81
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	12	1.81
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	12	1.81
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	12	1.81
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	9	1.81
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	14	1.81
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	14	1.81
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	14	1.81
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	15	1.81
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	15	1.81
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	15	1.81
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	16	1.81
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	16	1.81
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	16	1.81
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	14	1.81
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	14	1.81
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	14	1.81
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	2	1.81
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	18	1.81
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	20	1.81
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	10	1.8
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	10	1.8
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	10	1.8
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	10	1.8
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	10	1.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	10	1.8
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	10	1.8
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	10	1.8
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	10	1.8
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	10	1.8
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	10	1.8
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	10	1.8
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	6	1.8
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	6	1.8
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	6	1.8
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	6	1.8
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	6	1.8
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	6	1.8
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	5	1.8
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	5	1.8
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	5	1.8
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	5	1.8
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	5	1.8
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	5	1.8
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	5	1.8
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	5	1.8
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	5	1.8
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	5	1.8
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	5	1.8
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	5	1.8
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	14	1.8
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	5	1.8
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	5	1.8
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	5	1.8
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	11	1.8
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	11	1.8
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	11	1.8
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	8	1.8
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	14	1.8
(1,695)	1:137:A:ILE:H	1:139:A:ASP:HA	9	1.8
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	1	1.8
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	18	1.8
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	18	1.8
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	18	1.8
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	5	1.8
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	7	1.8
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	8	1.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	12	1.79
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	12	1.79
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	12	1.79
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	12	1.79
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	12	1.79
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	12	1.79
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	16	1.79
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	16	1.79
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	16	1.79
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	16	1.79
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	16	1.79
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	16	1.79
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	14	1.79
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	8	1.79
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	16	1.79
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	5	1.79
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	5	1.79
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	5	1.79
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	1	1.79
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	1	1.79
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	1	1.79
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	17	1.79
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	17	1.79
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	17	1.79
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	6	1.79
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	12	1.79
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	9	1.79
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	9	1.79
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	9	1.79
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	9	1.79
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	1	1.78
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	1	1.78
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	1	1.78
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	1	1.78
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	1	1.78
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	1	1.78
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	13	1.78
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	13	1.78
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	13	1.78
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	13	1.78
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	13	1.78
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	13	1.78

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	14	1.78
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	14	1.78
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	3	1.78
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	17	1.78
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	17	1.78
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	17	1.78
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	10	1.78
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	6	1.78
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	6	1.78
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	6	1.78
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	9	1.78
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	19	1.78
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	19	1.78
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	19	1.78
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	19	1.78
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	12	1.78
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	5	1.78
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	5	1.78
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	5	1.78
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	5	1.78
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	5	1.78
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	5	1.78
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	14	1.77
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	14	1.77
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	14	1.77
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	14	1.77
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	14	1.77
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	14	1.77
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	14	1.77
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	14	1.77
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	14	1.77
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	14	1.77
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	14	1.77
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	14	1.77
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	11	1.77
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	11	1.77
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	11	1.77
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	11	1.77
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	11	1.77
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	11	1.77
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	6	1.77
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	6	1.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	6	1.77
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	14	1.77
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	18	1.77
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	18	1.77
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	18	1.77
(1,592)	1:105:A:LEU:HG	1:122:A:ALA:H	5	1.77
(1,416)	1:182:A:ILE:HG21	1:203:A:TRP:HZ2	5	1.77
(1,416)	1:182:A:ILE:HG22	1:203:A:TRP:HZ2	5	1.77
(1,416)	1:182:A:ILE:HG23	1:203:A:TRP:HZ2	5	1.77
(1,412)	1:179:A:GLY:HA2	1:203:A:TRP:HH2	5	1.77
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	17	1.77
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	3	1.77
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	11	1.77
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	12	1.77
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	12	1.77
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	12	1.77
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	10	1.77
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG2	7	1.76
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG3	7	1.76
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	18	1.76
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	18	1.76
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	18	1.76
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	18	1.76
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	18	1.76
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	18	1.76
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	5	1.76
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	5	1.76
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	4	1.76
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	9	1.76
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	18	1.76
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	9	1.76
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	9	1.76
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	9	1.76
(1,639)	1:127:A:ASN:H	1:152:A:GLU:HG3	19	1.76
(1,461)	1:91:A:THR:H	1:197:A:THR:HG21	4	1.76
(1,461)	1:91:A:THR:H	1:197:A:THR:HG22	4	1.76
(1,461)	1:91:A:THR:H	1:197:A:THR:HG23	4	1.76
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	15	1.76
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	15	1.76
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	15	1.76
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG2	20	1.76
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG3	20	1.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	13	1.76
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	13	1.76
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	13	1.76
(1,190)	1:87:A:SER:HB2	1:137:A:ILE:HG12	9	1.76
(1,190)	1:87:A:SER:HB2	1:137:A:ILE:HG13	9	1.76
(1,190)	1:87:A:SER:HB3	1:137:A:ILE:HG12	9	1.76
(1,190)	1:87:A:SER:HB3	1:137:A:ILE:HG13	9	1.76
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	13	1.76
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	13	1.76
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	13	1.76
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	13	1.76
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	13	1.76
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	13	1.76
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	16	1.76
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	16	1.76
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	16	1.76
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	16	1.76
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	16	1.76
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	16	1.76
(1,94)	1:117:A:ILE:HG13	1:160:A:ILE:HA	5	1.76
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	1	1.76
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	16	1.76
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	8	1.75
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	8	1.75
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	8	1.75
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	8	1.75
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	8	1.75
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	8	1.75
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	17	1.75
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	17	1.75
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	17	1.75
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	17	1.75
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	17	1.75
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	17	1.75
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	11	1.75
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	11	1.75
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	17	1.75
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	3	1.75
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	2	1.75
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	2	1.75
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	2	1.75
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	1	1.75

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	1	1.75
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	1	1.75
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	10	1.75
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	10	1.75
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	10	1.75
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	2	1.75
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	9	1.75
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	15	1.75
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	18	1.75
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	9	1.75
(1,403)	1:194:A:VAL:HG11	1:203:A:TRP:HB2	16	1.75
(1,403)	1:194:A:VAL:HG12	1:203:A:TRP:HB2	16	1.75
(1,403)	1:194:A:VAL:HG13	1:203:A:TRP:HB2	16	1.75
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	19	1.75
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	19	1.75
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	19	1.75
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	7	1.75
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	4	1.74
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	4	1.74
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	4	1.74
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	13	1.74
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	13	1.74
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	13	1.74
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	13	1.74
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	13	1.74
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	13	1.74
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	17	1.74
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	17	1.74
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	17	1.74
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	3	1.74
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	3	1.74
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	3	1.74
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	16	1.74
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	16	1.74
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	16	1.74
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	17	1.74
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	17	1.74
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	17	1.74
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	16	1.74
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	16	1.74
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	9	1.74
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	2	1.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	19	1.74
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	19	1.74
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	19	1.74
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	18	1.74
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	18	1.74
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	18	1.74
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	7	1.74
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	7	1.74
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	7	1.74
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	9	1.74
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	9	1.74
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	9	1.74
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	4	1.74
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	11	1.74
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	15	1.74
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	5	1.73
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	5	1.73
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	8	1.73
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	8	1.73
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	8	1.73
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	8	1.73
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	8	1.73
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	8	1.73
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	8	1.73
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	8	1.73
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	8	1.73
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	8	1.73
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	8	1.73
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	8	1.73
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	19	1.73
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	19	1.73
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	3	1.73
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	3	1.73
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	3	1.73
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	3	1.73
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	3	1.73
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	3	1.73
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	15	1.73
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	15	1.73
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	15	1.73
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	3	1.73
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	3	1.73

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,430)	1:137:A:ILE:H	1:142:A:GLU:H	17	1.73
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	6	1.73
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	6	1.73
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	6	1.73
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	2	1.73
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	2	1.73
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	2	1.73
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	3	1.73
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	3	1.73
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	3	1.73
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	4	1.72
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	4	1.72
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	4	1.72
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	4	1.72
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	4	1.72
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	4	1.72
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	4	1.72
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	4	1.72
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	4	1.72
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	4	1.72
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	20	1.72
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	20	1.72
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	20	1.72
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	20	1.72
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	20	1.72
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	20	1.72
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	10	1.72
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	10	1.72
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	10	1.72
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	10	1.72
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	10	1.72
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	10	1.72
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	1	1.72
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	18	1.72
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	18	1.72
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	18	1.72
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	9	1.72
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	9	1.72
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	9	1.72
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	9	1.72
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	9	1.72
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	9	1.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	10	1.72
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	10	1.72
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	10	1.72
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	18	1.72
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	9	1.72
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	9	1.72
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	19	1.72
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	4	1.72
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	4	1.72
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	4	1.72
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	6	1.72
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	6	1.72
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	6	1.72
(1,1666)	1:147:A:LEU:HD11	1:148:A:ARG:HA	5	1.71
(1,1666)	1:147:A:LEU:HD12	1:148:A:ARG:HA	5	1.71
(1,1666)	1:147:A:LEU:HD13	1:148:A:ARG:HA	5	1.71
(1,1666)	1:147:A:LEU:HD21	1:148:A:ARG:HA	5	1.71
(1,1666)	1:147:A:LEU:HD22	1:148:A:ARG:HA	5	1.71
(1,1666)	1:147:A:LEU:HD23	1:148:A:ARG:HA	5	1.71
(1,1550)	1:117:A:ILE:H	1:118:A:ARG:HG2	5	1.71
(1,1550)	1:117:A:ILE:H	1:118:A:ARG:HG3	5	1.71
(1,1360)	1:88:A:ARG:HG2	1:90:A:LEU:HA	4	1.71
(1,1360)	1:88:A:ARG:HG3	1:90:A:LEU:HA	4	1.71
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	19	1.71
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	18	1.71
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	18	1.71
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	18	1.71
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	17	1.71
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	19	1.71
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	19	1.71
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	19	1.71
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	4	1.71
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	4	1.71
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	4	1.71
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	15	1.71
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	6	1.71
(1,719)	1:146:A:LEU:HG	1:147:A:LEU:H	9	1.71
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	9	1.71
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	5	1.71
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	5	1.71
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	5	1.71
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	3	1.71

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	2	1.71
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	2	1.71
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	2	1.71
(1,291)	1:115:A:LEU:HG	1:169:A:HIS:HE1	4	1.71
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	17	1.71
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	20	1.71
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	20	1.71
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	20	1.71
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	16	1.71
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	12	1.71
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	12	1.71
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	12	1.71
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	11	1.71
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	13	1.71
(1,1442)	1:100:A:ARG:HD2	1:156:A:ILE:H	3	1.7
(1,1442)	1:100:A:ARG:HD3	1:156:A:ILE:H	3	1.7
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	1	1.7
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	1	1.7
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	1	1.7
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	1	1.7
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	1	1.7
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	1	1.7
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	15	1.7
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	4	1.7
(1,1188)	1:144:A:LEU:HG	1:145:A:ILE:H	10	1.7
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	13	1.7
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	20	1.7
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	1	1.7
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	1	1.7
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	1	1.7
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	7	1.7
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	7	1.7
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	7	1.7
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	20	1.7
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	9	1.7
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	9	1.7
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	9	1.7
(1,142)	1:129:A:ILE:HD11	1:193:A:ARG:HD2	8	1.7
(1,142)	1:129:A:ILE:HD12	1:193:A:ARG:HD2	8	1.7
(1,142)	1:129:A:ILE:HD13	1:193:A:ARG:HD2	8	1.7
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	7	1.7
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	7	1.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	7	1.7
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	1	1.69
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	1	1.69
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	1	1.69
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	1	1.69
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	1	1.69
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	1	1.69
(1,1439)	1:100:A:ARG:HG2	1:102:A:TRP:HA	7	1.69
(1,1439)	1:100:A:ARG:HG3	1:102:A:TRP:HA	7	1.69
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	1	1.69
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	1	1.69
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	1	1.69
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	1	1.69
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	20	1.69
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	10	1.69
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	10	1.69
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	10	1.69
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	19	1.69
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	19	1.69
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	19	1.69
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	2	1.69
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	2	1.69
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	6	1.69
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	17	1.69
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	20	1.69
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	10	1.69
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	10	1.69
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	10	1.69
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	8	1.69
(1,729)	1:148:A:ARG:H	1:159:A:GLU:HB2	11	1.69
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	10	1.69
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	17	1.69
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	17	1.69
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	17	1.69
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	17	1.69
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	17	1.69
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	17	1.69
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	14	1.69
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	14	1.69
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	14	1.69
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	14	1.69
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	14	1.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	14	1.69
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG21	9	1.69
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG22	9	1.69
(1,129)	1:128:A:ILE:HA	1:129:A:ILE:HG23	9	1.69
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	13	1.68
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	13	1.68
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	13	1.68
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	13	1.68
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	13	1.68
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	13	1.68
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	15	1.68
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	15	1.68
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	5	1.68
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	5	1.68
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	5	1.68
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	5	1.68
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	5	1.68
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	5	1.68
(1,1188)	1:144:A:LEU:HG	1:145:A:ILE:H	3	1.68
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	1	1.68
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	1	1.68
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	1	1.68
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	8	1.68
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	8	1.68
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	8	1.68
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	7	1.68
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	20	1.68
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	6	1.68
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	10	1.68
(1,402)	1:194:A:VAL:HB	1:203:A:TRP:HB2	7	1.68
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	3	1.68
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	3	1.68
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	3	1.68
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	7	1.68
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	7	1.68
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	7	1.68
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	10	1.68
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	10	1.68
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	10	1.68
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	15	1.68
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	15	1.68
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	15	1.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1666)	1:147:A:LEU:HD11	1:148:A:ARG:HA	3	1.67
(1,1666)	1:147:A:LEU:HD12	1:148:A:ARG:HA	3	1.67
(1,1666)	1:147:A:LEU:HD13	1:148:A:ARG:HA	3	1.67
(1,1666)	1:147:A:LEU:HD21	1:148:A:ARG:HA	3	1.67
(1,1666)	1:147:A:LEU:HD22	1:148:A:ARG:HA	3	1.67
(1,1666)	1:147:A:LEU:HD23	1:148:A:ARG:HA	3	1.67
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	3	1.67
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	3	1.67
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	3	1.67
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	3	1.67
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	3	1.67
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	3	1.67
(1,1439)	1:100:A:ARG:HG2	1:102:A:TRP:HA	16	1.67
(1,1439)	1:100:A:ARG:HG3	1:102:A:TRP:HA	16	1.67
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	14	1.67
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	14	1.67
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	14	1.67
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	14	1.67
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	14	1.67
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	14	1.67
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	8	1.67
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	19	1.67
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	19	1.67
(1,1238)	1:146:A:LEU:HG	1:160:A:ILE:H	11	1.67
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	16	1.67
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	16	1.67
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	16	1.67
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	15	1.67
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	15	1.67
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	15	1.67
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	1	1.67
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	1	1.67
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	8	1.67
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	4	1.67
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	15	1.67
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	15	1.67
(1,430)	1:137:A:ILE:H	1:142:A:GLU:H	8	1.67
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	15	1.67
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	15	1.67
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	15	1.67
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	8	1.67
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	8	1.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	8	1.67
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	5	1.67
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	5	1.67
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	5	1.67
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	3	1.66
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	3	1.66
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	3	1.66
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	3	1.66
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	3	1.66
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	3	1.66
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	5	1.66
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	5	1.66
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	5	1.66
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	5	1.66
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	5	1.66
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	5	1.66
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	11	1.66
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	11	1.66
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	11	1.66
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	11	1.66
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	11	1.66
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	11	1.66
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	12	1.66
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	18	1.66
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	2	1.66
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	2	1.66
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	2	1.66
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	3	1.66
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	17	1.66
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	7	1.66
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	7	1.66
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	7	1.66
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	7	1.66
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	13	1.66
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	13	1.66
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	13	1.66
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	13	1.65
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	13	1.65
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	13	1.65
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	13	1.65
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	13	1.65
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	13	1.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	19	1.65
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	19	1.65
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	19	1.65
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	19	1.65
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	19	1.65
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	19	1.65
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	3	1.65
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	3	1.65
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	12	1.65
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	4	1.65
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	4	1.65
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	4	1.65
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	4	1.65
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	4	1.65
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	4	1.65
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	9	1.65
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	9	1.65
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	9	1.65
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	2	1.65
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	2	1.65
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	19	1.65
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	19	1.65
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	19	1.65
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	1	1.65
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	1	1.65
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	1	1.65
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	11	1.65
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	11	1.65
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	11	1.65
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	16	1.65
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	14	1.64
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	14	1.64
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	14	1.64
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	14	1.64
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	14	1.64
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	14	1.64
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	20	1.64
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	20	1.64
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	19	1.64
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	19	1.64
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	19	1.64
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	19	1.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	19	1.64
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	19	1.64
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	8	1.64
(1,1188)	1:144:A:LEU:HG	1:145:A:ILE:H	20	1.64
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	1	1.64
(1,639)	1:127:A:ASN:H	1:152:A:GLU:HG3	15	1.64
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	2	1.64
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	20	1.64
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	4	1.64
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	4	1.64
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	20	1.64
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	20	1.64
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	20	1.64
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	8	1.64
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	8	1.64
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	8	1.64
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	14	1.64
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	6	1.63
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	6	1.63
(1,1491)	1:108:A:LYS:HG2	1:109:A:GLN:HA	13	1.63
(1,1491)	1:108:A:LYS:HG3	1:109:A:GLN:HA	13	1.63
(1,1439)	1:100:A:ARG:HG2	1:102:A:TRP:HA	8	1.63
(1,1439)	1:100:A:ARG:HG3	1:102:A:TRP:HA	8	1.63
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	8	1.63
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	8	1.63
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	8	1.63
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	8	1.63
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	8	1.63
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	8	1.63
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	8	1.63
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	8	1.63
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	14	1.63
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	4	1.63
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	4	1.63
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	4	1.63
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	16	1.63
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	16	1.63
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	16	1.63
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	13	1.63
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	13	1.63
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	13	1.63
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	1	1.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	1	1.63
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	1	1.63
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	5	1.62
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	5	1.62
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	14	1.62
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	14	1.62
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	14	1.62
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	14	1.62
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	14	1.62
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	14	1.62
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	20	1.62
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	20	1.62
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	20	1.62
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	20	1.62
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	20	1.62
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	20	1.62
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	18	1.62
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	18	1.62
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	15	1.62
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	15	1.62
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	6	1.62
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	6	1.62
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	6	1.62
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	20	1.62
(1,1275)	1:179:A:GLY:H	1:203:A:TRP:HZ3	5	1.62
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	12	1.62
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	16	1.62
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	15	1.62
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	17	1.62
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	8	1.62
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	8	1.62
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	8	1.62
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	20	1.62
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	9	1.62
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	9	1.62
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	9	1.62
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	9	1.62
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	9	1.62
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	9	1.62
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	16	1.62
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	16	1.62
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	18	1.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	18	1.62
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	18	1.62
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	15	1.61
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	15	1.61
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	2	1.61
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	2	1.61
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	2	1.61
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	2	1.61
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	2	1.61
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	2	1.61
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	15	1.61
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	15	1.61
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	15	1.61
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	15	1.61
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	15	1.61
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	15	1.61
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	4	1.61
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	4	1.61
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	4	1.61
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	4	1.61
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	4	1.61
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	4	1.61
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG2	4	1.61
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG3	4	1.61
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	8	1.61
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	8	1.61
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	18	1.61
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	18	1.61
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	16	1.61
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	16	1.61
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	16	1.61
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	20	1.61
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	20	1.61
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	20	1.61
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	18	1.61
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	18	1.61
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	18	1.61
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	18	1.61
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	18	1.61
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	18	1.61
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	1	1.61
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	1	1.61

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	1	1.61
(1,1193)	1:144:A:LEU:HD11	1:147:A:LEU:H	3	1.61
(1,1193)	1:144:A:LEU:HD12	1:147:A:LEU:H	3	1.61
(1,1193)	1:144:A:LEU:HD13	1:147:A:LEU:H	3	1.61
(1,1193)	1:144:A:LEU:HD21	1:147:A:LEU:H	3	1.61
(1,1193)	1:144:A:LEU:HD22	1:147:A:LEU:H	3	1.61
(1,1193)	1:144:A:LEU:HD23	1:147:A:LEU:H	3	1.61
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	7	1.61
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	14	1.61
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	20	1.61
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	19	1.61
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	19	1.61
(1,719)	1:146:A:LEU:HG	1:147:A:LEU:H	16	1.61
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	12	1.61
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	16	1.61
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	16	1.61
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	16	1.61
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	8	1.61
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	6	1.61
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	6	1.61
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	6	1.61
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	6	1.61
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	6	1.61
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	6	1.61
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	8	1.61
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	8	1.61
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	8	1.61
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	8	1.61
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	8	1.61
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	8	1.61
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	19	1.61
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	19	1.61
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	19	1.61
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	4	1.6
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	4	1.6
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	4	1.6
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	4	1.6
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	4	1.6
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	4	1.6
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	4	1.6
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	4	1.6
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	4	1.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	4	1.6
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	4	1.6
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	4	1.6
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	2	1.6
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	2	1.6
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	2	1.6
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	2	1.6
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	2	1.6
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	2	1.6
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	7	1.6
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	7	1.6
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	9	1.6
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	9	1.6
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG2	16	1.6
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG3	16	1.6
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	19	1.6
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	19	1.6
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	19	1.6
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	3	1.6
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	14	1.6
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	14	1.6
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	14	1.6
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	8	1.6
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	8	1.6
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	8	1.6
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	5	1.6
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	5	1.6
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	5	1.6
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	19	1.6
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	3	1.6
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	4	1.6
(1,719)	1:146:A:LEU:HG	1:147:A:LEU:H	2	1.6
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	13	1.6
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	2	1.6
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	2	1.6
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	2	1.6
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	2	1.6
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	2	1.6
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	2	1.6
(1,408)	1:199:A:GLN:HA	1:203:A:TRP:HD1	16	1.6
(1,402)	1:194:A:VAL:HB	1:203:A:TRP:HB2	18	1.6
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	12	1.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	8	1.6
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	8	1.6
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	8	1.6
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	12	1.6
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	12	1.6
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	12	1.6
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	14	1.6
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	14	1.6
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	14	1.6
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	19	1.59
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	19	1.59
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	19	1.59
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	19	1.59
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	19	1.59
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	19	1.59
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	13	1.59
(1,1237)	1:132:A:ALA:HB1	1:160:A:ILE:H	20	1.59
(1,1237)	1:132:A:ALA:HB2	1:160:A:ILE:H	20	1.59
(1,1237)	1:132:A:ALA:HB3	1:160:A:ILE:H	20	1.59
(1,1188)	1:144:A:LEU:HG	1:145:A:ILE:H	5	1.59
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	11	1.59
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	11	1.59
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	11	1.59
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	17	1.59
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	19	1.59
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	6	1.59
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	9	1.59
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	9	1.59
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	4	1.59
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	5	1.59
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	7	1.59
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	7	1.59
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	7	1.59
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	5	1.59
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	5	1.59
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	5	1.59
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	5	1.59
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	5	1.59
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	5	1.59
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	10	1.59
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	10	1.59
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	10	1.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	14	1.59
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	14	1.59
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	14	1.59
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	8	1.58
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	8	1.58
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	8	1.58
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	8	1.58
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	8	1.58
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	8	1.58
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	12	1.58
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	12	1.58
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	12	1.58
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	12	1.58
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	12	1.58
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	12	1.58
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG2	15	1.58
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG3	15	1.58
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	5	1.58
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	12	1.58
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	13	1.58
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	3	1.58
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	3	1.58
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	3	1.58
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	11	1.58
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	6	1.58
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	2	1.58
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	4	1.58
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	20	1.58
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	6	1.58
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	12	1.58
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	2	1.58
(1,345)	1:182:A:ILE:HD11	1:185:A:LEU:H	14	1.58
(1,345)	1:182:A:ILE:HD12	1:185:A:LEU:H	14	1.58
(1,345)	1:182:A:ILE:HD13	1:185:A:LEU:H	14	1.58
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	2	1.58
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	2	1.58
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	2	1.58
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	13	1.58
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	13	1.58
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	13	1.58
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	8	1.57
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	8	1.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	8	1.57
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	8	1.57
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	8	1.57
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	8	1.57
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	13	1.57
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	13	1.57
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	13	1.57
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	13	1.57
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	13	1.57
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	13	1.57
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	16	1.57
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	6	1.57
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	5	1.57
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	5	1.57
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	5	1.57
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	4	1.57
(1,639)	1:127:A:ASN:H	1:152:A:GLU:HG3	12	1.57
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	2	1.57
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	3	1.57
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	3	1.57
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	3	1.57
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	4	1.57
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	4	1.57
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	4	1.57
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	16	1.57
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	16	1.57
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	16	1.57
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	15	1.56
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	15	1.56
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	15	1.56
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	15	1.56
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	15	1.56
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	15	1.56
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG12	5	1.56
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG13	5	1.56
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	10	1.56
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	10	1.56
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	10	1.56
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	10	1.56
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	10	1.56
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	10	1.56
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	15	1.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	1	1.56
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	1	1.56
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	1	1.56
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	12	1.56
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	12	1.56
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	12	1.56
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	1	1.56
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	3	1.56
(1,877)	1:179:A:GLY:H	1:182:A:ILE:HD11	17	1.56
(1,877)	1:179:A:GLY:H	1:182:A:ILE:HD12	17	1.56
(1,877)	1:179:A:GLY:H	1:182:A:ILE:HD13	17	1.56
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	13	1.56
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	13	1.56
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	13	1.56
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	20	1.56
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	3	1.56
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	3	1.56
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	3	1.56
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	19	1.56
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	3	1.56
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	14	1.56
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	14	1.56
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	14	1.56
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	14	1.56
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	14	1.56
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	14	1.56
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	7	1.56
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	7	1.56
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	7	1.56
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	7	1.56
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	7	1.56
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	7	1.56
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	12	1.56
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	12	1.56
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	12	1.56
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	12	1.56
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	12	1.56
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	12	1.56
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	17	1.56
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	17	1.56
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	17	1.56
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	17	1.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	17	1.55
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	17	1.55
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	17	1.55
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	17	1.55
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	17	1.55
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	19	1.55
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	19	1.55
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	19	1.55
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	19	1.55
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	19	1.55
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	19	1.55
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	4	1.55
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	4	1.55
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	11	1.55
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	11	1.55
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	16	1.55
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	16	1.55
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG21	20	1.55
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG22	20	1.55
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG23	20	1.55
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	10	1.55
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	10	1.55
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	10	1.55
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	10	1.55
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	10	1.55
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	7	1.55
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	7	1.55
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	7	1.55
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	4	1.55
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	9	1.55
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	14	1.55
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	10	1.55
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	6	1.55
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	6	1.55
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	6	1.55
(1,633)	1:127:A:ASN:H	1:127:A:ASN:HD21	4	1.55
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	12	1.55
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	12	1.55
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	1	1.55
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	1	1.55
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	1	1.55
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	7	1.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	7	1.55
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	7	1.55
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	20	1.55
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	20	1.55
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	20	1.55
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	16	1.55
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	16	1.55
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	16	1.55
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	18	1.54
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	18	1.54
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	18	1.54
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	18	1.54
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	18	1.54
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	18	1.54
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	8	1.54
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	8	1.54
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	8	1.54
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	8	1.54
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	8	1.54
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	8	1.54
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	18	1.54
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	18	1.54
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	2	1.54
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	2	1.54
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	4	1.54
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	4	1.54
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	4	1.54
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	4	1.54
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	4	1.54
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	4	1.54
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	20	1.54
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	20	1.54
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	20	1.54
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG11	12	1.54
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG12	12	1.54
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG13	12	1.54
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	10	1.54
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	5	1.54
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	10	1.54
(1,320)	1:178:A:VAL:HG21	1:203:A:TRP:HB2	5	1.54
(1,320)	1:178:A:VAL:HG22	1:203:A:TRP:HB2	5	1.54
(1,320)	1:178:A:VAL:HG23	1:203:A:TRP:HB2	5	1.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	1	1.54
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	1	1.54
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	1	1.54
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	1	1.54
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	1	1.54
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	1	1.54
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	7	1.54
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	7	1.54
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	7	1.54
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	5	1.54
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	5	1.54
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	5	1.54
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	6	1.54
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	6	1.54
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	6	1.54
(1,68)	1:106:A:MET:HG3	1:122:A:ALA:HA	15	1.54
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	3	1.53
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	3	1.53
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	3	1.53
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	3	1.53
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	3	1.53
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	3	1.53
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	12	1.53
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	12	1.53
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	12	1.53
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	12	1.53
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	12	1.53
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	12	1.53
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	1	1.53
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	1	1.53
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	1	1.53
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	1	1.53
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	9	1.53
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	7	1.53
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	4	1.53
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	4	1.53
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	4	1.53
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	7	1.53
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	7	1.53
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	7	1.53
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	13	1.53
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	4	1.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1002)	1:200:A:ARG:H	1:201:A:PHE:HD1	20	1.53
(1,1002)	1:200:A:ARG:H	1:201:A:PHE:HD2	20	1.53
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	10	1.53
(1,703)	1:137:A:ILE:HB	1:140:A:ARG:H	13	1.53
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	19	1.53
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	17	1.53
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	17	1.53
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	15	1.53
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	15	1.53
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	15	1.53
(1,143)	1:129:A:ILE:HD11	1:130:A:LEU:H	17	1.53
(1,143)	1:129:A:ILE:HD12	1:130:A:LEU:H	17	1.53
(1,143)	1:129:A:ILE:HD13	1:130:A:LEU:H	17	1.53
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	13	1.53
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	14	1.52
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	14	1.52
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	7	1.52
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	7	1.52
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	7	1.52
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	7	1.52
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	7	1.52
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	7	1.52
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG12	3	1.52
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG13	3	1.52
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG2	15	1.52
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG3	15	1.52
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	2	1.52
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	2	1.52
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	2	1.52
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	2	1.52
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	2	1.52
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	2	1.52
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	8	1.52
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	8	1.52
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	8	1.52
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	8	1.52
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	8	1.52
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	8	1.52
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	20	1.52
(1,1044)	1:136:A:VAL:HB	1:142:A:GLU:H	9	1.52
(1,999)	1:194:A:VAL:HG21	1:199:A:GLN:H	2	1.52
(1,999)	1:194:A:VAL:HG22	1:199:A:GLN:H	2	1.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	1:194:A:VAL:HG23	1:199:A:GLN:H	2	1.52
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	19	1.52
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	19	1.52
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	19	1.52
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	6	1.52
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	17	1.52
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	10	1.52
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	13	1.52
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	19	1.52
(1,633)	1:127:A:ASN:H	1:127:A:ASN:HD21	8	1.52
(1,633)	1:127:A:ASN:H	1:127:A:ASN:HD21	10	1.52
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	16	1.52
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	16	1.52
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	5	1.52
(1,355)	1:124:A:MET:HG3	1:188:A:ASN:HB3	1	1.52
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	10	1.52
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	10	1.52
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	10	1.52
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD11	15	1.52
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD12	15	1.52
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD13	15	1.52
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD11	15	1.52
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD12	15	1.52
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD13	15	1.52
(1,36)	1:91:A:THR:HG21	1:133:A:ASN:HB3	1	1.52
(1,36)	1:91:A:THR:HG22	1:133:A:ASN:HB3	1	1.52
(1,36)	1:91:A:THR:HG23	1:133:A:ASN:HB3	1	1.52
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	3	1.51
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	3	1.51
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	10	1.51
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	10	1.51
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	10	1.51
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	10	1.51
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	10	1.51
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	10	1.51
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	10	1.51
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	10	1.51
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	10	1.51
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	10	1.51
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	10	1.51
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	10	1.51
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	18	1.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	18	1.51
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	18	1.51
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	18	1.51
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	18	1.51
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	18	1.51
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	14	1.51
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	14	1.51
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	9	1.51
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	9	1.51
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	9	1.51
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	4	1.51
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	1	1.51
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	13	1.51
(1,1188)	1:144:A:LEU:HG	1:145:A:ILE:H	16	1.51
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	9	1.51
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	19	1.51
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	13	1.51
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	13	1.51
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	13	1.51
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	3	1.51
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	3	1.51
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	3	1.51
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	3	1.51
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	3	1.51
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	3	1.51
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	15	1.51
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	15	1.51
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	15	1.51
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	15	1.51
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	15	1.51
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	15	1.51
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	15	1.51
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	15	1.51
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	15	1.51
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	4	1.51
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	4	1.51
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	4	1.51
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	16	1.5
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	16	1.5
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	3	1.5
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	3	1.5
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	3	1.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	3	1.5
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	3	1.5
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	3	1.5
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	20	1.5
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	20	1.5
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	20	1.5
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	20	1.5
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	20	1.5
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	20	1.5
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	5	1.5
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	5	1.5
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	5	1.5
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	5	1.5
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	5	1.5
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	5	1.5
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	15	1.5
(1,1238)	1:146:A:LEU:HG	1:160:A:ILE:H	6	1.5
(1,1238)	1:146:A:LEU:HG	1:160:A:ILE:H	19	1.5
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	14	1.5
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	14	1.5
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	14	1.5
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	2	1.5
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	12	1.5
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	14	1.5
(1,461)	1:91:A:THR:H	1:197:A:THR:HG21	1	1.5
(1,461)	1:91:A:THR:H	1:197:A:THR:HG22	1	1.5
(1,461)	1:91:A:THR:H	1:197:A:THR:HG23	1	1.5
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	11	1.5
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	11	1.5
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	15	1.5
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	15	1.5
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	15	1.5
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	8	1.5
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	8	1.5
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	8	1.5
(1,84)	1:115:A:LEU:HG	1:173:A:ASP:HA	13	1.5
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG21	4	1.49
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG22	4	1.49
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG23	4	1.49
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG21	4	1.49
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG22	4	1.49
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG23	4	1.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:162:A:PRO:HG2	1:169:A:HIS:HE1	13	1.49
(1,1693)	1:162:A:PRO:HG3	1:169:A:HIS:HE1	13	1.49
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	12	1.49
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	12	1.49
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD1	17	1.49
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD2	17	1.49
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD1	17	1.49
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD2	17	1.49
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD1	17	1.49
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD2	17	1.49
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	15	1.49
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	11	1.49
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	2	1.49
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	2	1.49
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	2	1.49
(1,999)	1:194:A:VAL:HG21	1:199:A:GLN:H	19	1.49
(1,999)	1:194:A:VAL:HG22	1:199:A:GLN:H	19	1.49
(1,999)	1:194:A:VAL:HG23	1:199:A:GLN:H	19	1.49
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	13	1.49
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	1	1.49
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	18	1.49
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	18	1.49
(1,401)	1:178:A:VAL:HG11	1:203:A:TRP:HA	15	1.49
(1,401)	1:178:A:VAL:HG12	1:203:A:TRP:HA	15	1.49
(1,401)	1:178:A:VAL:HG13	1:203:A:TRP:HA	15	1.49
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	13	1.49
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	13	1.49
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	3	1.49
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	3	1.49
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	3	1.49
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	3	1.49
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	3	1.49
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	3	1.49
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD11	3	1.49
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD12	3	1.49
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD13	3	1.49
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD11	3	1.49
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD12	3	1.49
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD13	3	1.49
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	11	1.49
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	11	1.49
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	11	1.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	11	1.49
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	11	1.49
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	11	1.49
(1,142)	1:129:A:ILE:HD11	1:193:A:ARG:HD2	13	1.49
(1,142)	1:129:A:ILE:HD12	1:193:A:ARG:HD2	13	1.49
(1,142)	1:129:A:ILE:HD13	1:193:A:ARG:HD2	13	1.49
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	12	1.49
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	12	1.49
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	12	1.49
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	10	1.48
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	10	1.48
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG21	1	1.48
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG22	1	1.48
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG23	1	1.48
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG21	1	1.48
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG22	1	1.48
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG23	1	1.48
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG21	14	1.48
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG22	14	1.48
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG23	14	1.48
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG21	14	1.48
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG22	14	1.48
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG23	14	1.48
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	3	1.48
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	3	1.48
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	3	1.48
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	3	1.48
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	3	1.48
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	3	1.48
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	3	1.48
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	3	1.48
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	3	1.48
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	3	1.48
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	3	1.48
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	3	1.48
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	3	1.48
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	3	1.48
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	3	1.48
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	3	1.48
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	3	1.48
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	3	1.48
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	3	1.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	3	1.48
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	3	1.48
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	3	1.48
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	3	1.48
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	3	1.48
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	11	1.48
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	11	1.48
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	11	1.48
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	11	1.48
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	11	1.48
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	11	1.48
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	1	1.48
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	1	1.48
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	1	1.48
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	1	1.48
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	1	1.48
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	1	1.48
(1,1526)	1:111:A:VAL:HG11	1:115:A:LEU:H	11	1.48
(1,1526)	1:111:A:VAL:HG12	1:115:A:LEU:H	11	1.48
(1,1526)	1:111:A:VAL:HG13	1:115:A:LEU:H	11	1.48
(1,1526)	1:111:A:VAL:HG21	1:115:A:LEU:H	11	1.48
(1,1526)	1:111:A:VAL:HG22	1:115:A:LEU:H	11	1.48
(1,1526)	1:111:A:VAL:HG23	1:115:A:LEU:H	11	1.48
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	10	1.48
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	10	1.48
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	13	1.48
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	13	1.48
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	13	1.48
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	9	1.48
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	9	1.48
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	16	1.48
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	16	1.48
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	16	1.48
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	1	1.48
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	19	1.48
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	5	1.48
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	20	1.48
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	13	1.48
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	13	1.48
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	13	1.48
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	10	1.48
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	11	1.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	20	1.48
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	20	1.48
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	20	1.48
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	20	1.48
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	20	1.48
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	20	1.48
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	10	1.48
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	10	1.48
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	10	1.48
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	1	1.48
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	1	1.48
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	1	1.48
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	1	1.48
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	1	1.48
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	1	1.48
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	12	1.48
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	2	1.48
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	2	1.48
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	2	1.48
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	4	1.48
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	4	1.48
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	4	1.48
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	17	1.47
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	17	1.47
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	5	1.47
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	5	1.47
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	5	1.47
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	5	1.47
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	5	1.47
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	5	1.47
(1,1651)	1:136:A:VAL:HG11	1:139:A:ASP:HA	16	1.47
(1,1651)	1:136:A:VAL:HG12	1:139:A:ASP:HA	16	1.47
(1,1651)	1:136:A:VAL:HG13	1:139:A:ASP:HA	16	1.47
(1,1651)	1:136:A:VAL:HG21	1:139:A:ASP:HA	16	1.47
(1,1651)	1:136:A:VAL:HG22	1:139:A:ASP:HA	16	1.47
(1,1651)	1:136:A:VAL:HG23	1:139:A:ASP:HA	16	1.47
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	11	1.47
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	11	1.47
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	11	1.47
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	11	1.47
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	11	1.47
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	11	1.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG2	2	1.47
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG3	2	1.47
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	5	1.47
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	5	1.47
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	5	1.47
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	5	1.47
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	5	1.47
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	5	1.47
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	8	1.47
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	8	1.47
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	8	1.47
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	8	1.47
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	8	1.47
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	8	1.47
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	9	1.47
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	2	1.47
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	19	1.47
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	18	1.47
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	13	1.47
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	15	1.47
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	15	1.47
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	15	1.47
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	15	1.47
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	6	1.47
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	16	1.47
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	1	1.47
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	1	1.47
(1,84)	1:115:A:LEU:HG	1:173:A:ASP:HA	20	1.47
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	11	1.46
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	11	1.46
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	9	1.46
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	9	1.46
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	2	1.46
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	2	1.46
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	2	1.46
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	2	1.46
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	2	1.46
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	2	1.46
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	2	1.46
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	2	1.46
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	2	1.46
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	2	1.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	2	1.46
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	2	1.46
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	4	1.46
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	4	1.46
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	4	1.46
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	4	1.46
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	4	1.46
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	4	1.46
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	4	1.46
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	4	1.46
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	15	1.46
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	15	1.46
(1,1442)	1:100:A:ARG:HD2	1:156:A:ILE:H	5	1.46
(1,1442)	1:100:A:ARG:HD3	1:156:A:ILE:H	5	1.46
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	1	1.46
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	1	1.46
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	1	1.46
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	1	1.46
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	3	1.46
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	3	1.46
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	3	1.46
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	3	1.46
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	3	1.46
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	3	1.46
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	19	1.46
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	19	1.46
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	19	1.46
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	19	1.46
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	19	1.46
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	19	1.46
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	15	1.46
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	15	1.46
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	15	1.46
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	15	1.46
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	15	1.46
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	15	1.46
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	1	1.46
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	1	1.46
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	1	1.46
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	17	1.46
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	12	1.46
(1,1238)	1:146:A:LEU:HG	1:160:A:ILE:H	3	1.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	3	1.46
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	3	1.46
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	3	1.46
(1,1105)	1:108:A:LYS:HG3	1:109:A:GLN:H	13	1.46
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	2	1.46
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	14	1.46
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	7	1.46
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	7	1.46
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	11	1.46
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	11	1.46
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	1	1.46
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	1	1.46
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	1	1.46
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	6	1.46
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	6	1.46
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	18	1.46
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	18	1.46
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	18	1.46
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	4	1.45
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	4	1.45
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	11	1.45
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	11	1.45
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	11	1.45
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	11	1.45
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	11	1.45
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	11	1.45
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	6	1.45
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	6	1.45
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	6	1.45
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	6	1.45
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	6	1.45
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	6	1.45
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	18	1.45
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	18	1.45
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	18	1.45
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	18	1.45
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	18	1.45
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	18	1.45
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	9	1.45
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	9	1.45
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	9	1.45
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	9	1.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	9	1.45
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	9	1.45
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	9	1.45
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	9	1.45
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	9	1.45
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	9	1.45
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	9	1.45
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	9	1.45
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	1	1.45
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	1	1.45
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	14	1.45
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	2	1.45
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	19	1.45
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	15	1.45
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	15	1.45
(1,633)	1:127:A:ASN:H	1:127:A:ASN:HD21	5	1.45
(1,538)	1:109:A:GLN:HG2	1:110:A:LYS:H	8	1.45
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	10	1.45
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	10	1.45
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	10	1.45
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	10	1.45
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	10	1.45
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	10	1.45
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	17	1.45
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	10	1.45
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	10	1.45
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	10	1.45
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	10	1.45
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	10	1.45
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	10	1.45
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	16	1.45
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	16	1.45
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	16	1.45
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	19	1.44
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	19	1.44
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	19	1.44
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	19	1.44
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	19	1.44
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	19	1.44
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	18	1.44
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	18	1.44
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	18	1.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	18	1.44
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	18	1.44
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	18	1.44
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	18	1.44
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	18	1.44
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	18	1.44
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	18	1.44
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	18	1.44
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	18	1.44
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG2	15	1.44
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG3	15	1.44
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	2	1.44
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	2	1.44
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG11	18	1.44
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG12	18	1.44
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG13	18	1.44
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG21	18	1.44
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG22	18	1.44
(1,1518)	1:110:A:LYS:HD2	1:111:A:VAL:HG23	18	1.44
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG11	18	1.44
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG12	18	1.44
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG13	18	1.44
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG21	18	1.44
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG22	18	1.44
(1,1518)	1:110:A:LYS:HD3	1:111:A:VAL:HG23	18	1.44
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	3	1.44
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	3	1.44
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	9	1.44
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	9	1.44
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	1	1.44
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	1	1.44
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	1	1.44
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	1	1.44
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	1	1.44
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	1	1.44
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	2	1.44
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	11	1.44
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	13	1.44
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	6	1.44
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	2	1.44
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	20	1.44
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	18	1.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	13	1.44
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	10	1.44
(1,877)	1:179:A:GLY:H	1:182:A:ILE:HD11	9	1.44
(1,877)	1:179:A:GLY:H	1:182:A:ILE:HD12	9	1.44
(1,877)	1:179:A:GLY:H	1:182:A:ILE:HD13	9	1.44
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	8	1.44
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	2	1.44
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	2	1.44
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	2	1.44
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	10	1.44
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	10	1.44
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	10	1.44
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	2	1.44
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	2	1.44
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	2	1.44
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	19	1.44
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	19	1.44
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	19	1.44
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	12	1.44
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	12	1.44
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	12	1.44
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	19	1.44
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	19	1.44
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	19	1.44
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	9	1.44
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	9	1.44
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	12	1.44
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	12	1.44
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	12	1.44
(1,5)	1:197:A:THR:HB	1:201:A:PHE:HE1	14	1.44
(1,5)	1:197:A:THR:HB	1:201:A:PHE:HE2	14	1.44
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	7	1.44
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	7	1.44
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	7	1.44
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	10	1.43
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	10	1.43
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	10	1.43
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	10	1.43
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	10	1.43
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	10	1.43
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	15	1.43
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	15	1.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	14	1.43
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	14	1.43
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	14	1.43
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	14	1.43
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	14	1.43
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	14	1.43
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	14	1.43
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	17	1.43
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	4	1.43
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	2	1.43
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	2	1.43
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	2	1.43
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	3	1.43
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	15	1.43
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	16	1.43
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	14	1.43
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	3	1.43
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	3	1.43
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	5	1.43
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	5	1.43
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	20	1.43
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	20	1.43
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	20	1.43
(1,639)	1:127:A:ASN:H	1:152:A:GLU:HG3	20	1.43
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	3	1.43
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	3	1.43
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	3	1.43
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	17	1.43
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	17	1.43
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	17	1.43
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	6	1.43
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	16	1.43
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	6	1.43
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	17	1.43
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	20	1.43
(1,258)	1:100:A:ARG:HD3	1:156:A:ILE:HD11	14	1.43
(1,258)	1:100:A:ARG:HD3	1:156:A:ILE:HD12	14	1.43
(1,258)	1:100:A:ARG:HD3	1:156:A:ILE:HD13	14	1.43
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	4	1.43
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	4	1.43
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	4	1.43
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	4	1.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	4	1.43
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	4	1.43
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	9	1.43
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	9	1.43
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	9	1.43
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	9	1.43
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	9	1.43
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	9	1.43
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	14	1.42
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	14	1.42
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	7	1.42
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	7	1.42
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	7	1.42
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	7	1.42
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	7	1.42
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	7	1.42
(1,1691)	1:162:A:PRO:HB2	1:169:A:HIS:HE1	3	1.42
(1,1691)	1:162:A:PRO:HB3	1:169:A:HIS:HE1	3	1.42
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	13	1.42
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	13	1.42
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	13	1.42
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	13	1.42
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	13	1.42
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	13	1.42
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	7	1.42
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	7	1.42
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	7	1.42
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	7	1.42
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	7	1.42
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	7	1.42
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	14	1.42
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	14	1.42
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	8	1.42
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	8	1.42
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	2	1.42
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	2	1.42
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	2	1.42
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	2	1.42
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	2	1.42
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	2	1.42
(1,1314)	1:198:A:LEU:H	1:199:A:GLN:HE21	14	1.42
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	6	1.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	4	1.42
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	16	1.42
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	16	1.42
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	10	1.42
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	15	1.42
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	5	1.42
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	18	1.42
(1,639)	1:127:A:ASN:H	1:152:A:GLU:HG3	14	1.42
(1,633)	1:127:A:ASN:H	1:127:A:ASN:HD21	3	1.42
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	14	1.42
(1,415)	1:182:A:ILE:HD11	1:203:A:TRP:HZ2	17	1.42
(1,415)	1:182:A:ILE:HD12	1:203:A:TRP:HZ2	17	1.42
(1,415)	1:182:A:ILE:HD13	1:203:A:TRP:HZ2	17	1.42
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	4	1.42
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	4	1.42
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	4	1.42
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	4	1.42
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	4	1.42
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	4	1.42
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	17	1.42
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	17	1.42
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	1	1.42
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	12	1.42
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	18	1.42
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	18	1.42
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	18	1.42
(1,94)	1:117:A:ILE:HG13	1:160:A:ILE:HA	10	1.42
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	1	1.41
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	1	1.41
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	1	1.41
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	1	1.41
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	1	1.41
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	1	1.41
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	1	1.41
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	1	1.41
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	8	1.41
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	8	1.41
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	8	1.41
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	8	1.41
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	8	1.41
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	8	1.41
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	13	1.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	13	1.41
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	13	1.41
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	13	1.41
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	13	1.41
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	13	1.41
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	18	1.41
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	18	1.41
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	18	1.41
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	18	1.41
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	18	1.41
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	18	1.41
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	12	1.41
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	12	1.41
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	12	1.41
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	12	1.41
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	12	1.41
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	12	1.41
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	12	1.41
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	12	1.41
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	12	1.41
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	12	1.41
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	12	1.41
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	12	1.41
(1,1667)	1:147:A:LEU:HD11	1:148:A:ARG:HB2	3	1.41
(1,1667)	1:147:A:LEU:HD11	1:148:A:ARG:HB3	3	1.41
(1,1667)	1:147:A:LEU:HD12	1:148:A:ARG:HB2	3	1.41
(1,1667)	1:147:A:LEU:HD12	1:148:A:ARG:HB3	3	1.41
(1,1667)	1:147:A:LEU:HD13	1:148:A:ARG:HB2	3	1.41
(1,1667)	1:147:A:LEU:HD13	1:148:A:ARG:HB3	3	1.41
(1,1667)	1:147:A:LEU:HD21	1:148:A:ARG:HB2	3	1.41
(1,1667)	1:147:A:LEU:HD21	1:148:A:ARG:HB3	3	1.41
(1,1667)	1:147:A:LEU:HD22	1:148:A:ARG:HB2	3	1.41
(1,1667)	1:147:A:LEU:HD22	1:148:A:ARG:HB3	3	1.41
(1,1667)	1:147:A:LEU:HD23	1:148:A:ARG:HB2	3	1.41
(1,1667)	1:147:A:LEU:HD23	1:148:A:ARG:HB3	3	1.41
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	20	1.41
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	20	1.41
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	20	1.41
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	20	1.41
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	20	1.41
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	20	1.41
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	1	1.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	1	1.41
(1,1491)	1:108:A:LYS:HG2	1:109:A:GLN:HA	2	1.41
(1,1491)	1:108:A:LYS:HG3	1:109:A:GLN:HA	2	1.41
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG2	15	1.41
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG3	15	1.41
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	20	1.41
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	20	1.41
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	13	1.41
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	13	1.41
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	7	1.41
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB2	18	1.41
(1,1171)	1:133:A:ASN:H	1:148:A:ARG:HB3	18	1.41
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	13	1.41
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	8	1.41
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	19	1.41
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	19	1.41
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	19	1.41
(1,411)	1:202:A:ALA:HB1	1:203:A:TRP:HE3	9	1.41
(1,411)	1:202:A:ALA:HB2	1:203:A:TRP:HE3	9	1.41
(1,411)	1:202:A:ALA:HB3	1:203:A:TRP:HE3	9	1.41
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	8	1.41
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	8	1.41
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	8	1.41
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	9	1.4
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	9	1.4
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	12	1.4
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	12	1.4
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	18	1.4
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	18	1.4
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	13	1.4
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	13	1.4
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	13	1.4
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	13	1.4
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	13	1.4
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	13	1.4
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG2	2	1.4
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG3	2	1.4
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	4	1.4
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	4	1.4
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	2	1.4
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	2	1.4
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	2	1.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	2	1.4
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	20	1.4
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	20	1.4
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	20	1.4
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	20	1.4
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	20	1.4
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	20	1.4
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	4	1.4
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	4	1.4
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	4	1.4
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	4	1.4
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	4	1.4
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	4	1.4
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	6	1.4
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	6	1.4
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	6	1.4
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	18	1.4
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	6	1.4
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	18	1.4
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	14	1.4
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG21	20	1.4
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG22	20	1.4
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG23	20	1.4
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	6	1.4
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	6	1.4
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	6	1.4
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	19	1.4
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	19	1.4
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	19	1.4
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	15	1.4
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	15	1.4
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	15	1.4
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	16	1.4
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	16	1.4
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	16	1.4
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	15	1.4
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	15	1.4
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	20	1.4
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	11	1.4
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	11	1.4
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	11	1.4
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	16	1.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	7	1.39
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	7	1.39
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	11	1.39
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	11	1.39
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	19	1.39
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	19	1.39
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	15	1.39
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	15	1.39
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	15	1.39
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	15	1.39
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	15	1.39
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	15	1.39
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	17	1.39
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	17	1.39
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	17	1.39
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	17	1.39
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	17	1.39
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	17	1.39
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG11	12	1.39
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG12	12	1.39
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG13	12	1.39
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG21	12	1.39
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG22	12	1.39
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG23	12	1.39
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	17	1.39
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	17	1.39
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	7	1.39
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	7	1.39
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	14	1.39
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	14	1.39
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	14	1.39
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	14	1.39
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	14	1.39
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	14	1.39
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	1	1.39
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	1	1.39
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	2	1.39
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	2	1.39
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	10	1.39
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	13	1.39
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	3	1.39
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	20	1.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	18	1.39
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	18	1.39
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	18	1.39
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	2	1.39
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	19	1.39
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG21	20	1.39
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG22	20	1.39
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG23	20	1.39
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	17	1.39
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	12	1.39
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	12	1.39
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	12	1.39
(1,461)	1:91:A:THR:H	1:197:A:THR:HG21	14	1.39
(1,461)	1:91:A:THR:H	1:197:A:THR:HG22	14	1.39
(1,461)	1:91:A:THR:H	1:197:A:THR:HG23	14	1.39
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	20	1.39
(1,291)	1:115:A:LEU:HG	1:169:A:HIS:HE1	17	1.39
(1,223)	1:129:A:ILE:HG21	1:150:A:PHE:HB3	16	1.39
(1,223)	1:129:A:ILE:HG22	1:150:A:PHE:HB3	16	1.39
(1,223)	1:129:A:ILE:HG23	1:150:A:PHE:HB3	16	1.39
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	19	1.39
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	19	1.39
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	19	1.39
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	19	1.39
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	19	1.39
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	19	1.39
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	19	1.39
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	19	1.39
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	19	1.39
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	12	1.38
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	12	1.38
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	12	1.38
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	12	1.38
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	12	1.38
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	12	1.38
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	12	1.38
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	12	1.38
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	12	1.38
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	12	1.38
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	12	1.38
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	12	1.38
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	7	1.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	7	1.38
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	7	1.38
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	7	1.38
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	7	1.38
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	7	1.38
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	5	1.38
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	5	1.38
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	2	1.38
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	10	1.38
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	19	1.38
(1,999)	1:194:A:VAL:HG21	1:199:A:GLN:H	10	1.38
(1,999)	1:194:A:VAL:HG22	1:199:A:GLN:H	10	1.38
(1,999)	1:194:A:VAL:HG23	1:199:A:GLN:H	10	1.38
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	8	1.38
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	10	1.38
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	12	1.38
(1,633)	1:127:A:ASN:H	1:127:A:ASN:HD21	14	1.38
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	19	1.38
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	19	1.38
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	19	1.38
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	19	1.38
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	19	1.38
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	19	1.38
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	19	1.38
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	19	1.38
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	19	1.38
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	20	1.38
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	20	1.38
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	20	1.38
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	20	1.38
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	20	1.38
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	20	1.38
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	15	1.38
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	15	1.38
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	15	1.38
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	1	1.37
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	1	1.37
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	1	1.37
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	1	1.37
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	1	1.37
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	1	1.37
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	19	1.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	19	1.37
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	19	1.37
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	19	1.37
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	19	1.37
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	19	1.37
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	19	1.37
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	19	1.37
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	19	1.37
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	19	1.37
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	19	1.37
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	19	1.37
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	19	1.37
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	19	1.37
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	19	1.37
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	19	1.37
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	19	1.37
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	19	1.37
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG2	9	1.37
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG3	9	1.37
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	8	1.37
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	8	1.37
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	12	1.37
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	12	1.37
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	7	1.37
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	7	1.37
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	11	1.37
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	11	1.37
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	11	1.37
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	1	1.37
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	1	1.37
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	1	1.37
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	17	1.37
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	17	1.37
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	17	1.37
(1,1056)	1:129:A:ILE:HD11	1:196:A:GLU:H	2	1.37
(1,1056)	1:129:A:ILE:HD12	1:196:A:GLU:H	2	1.37
(1,1056)	1:129:A:ILE:HD13	1:196:A:GLU:H	2	1.37
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	6	1.37
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	6	1.37
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	6	1.37
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	2	1.37
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	4	1.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	17	1.37
(1,415)	1:182:A:ILE:HD11	1:203:A:TRP:HZ2	18	1.37
(1,415)	1:182:A:ILE:HD12	1:203:A:TRP:HZ2	18	1.37
(1,415)	1:182:A:ILE:HD13	1:203:A:TRP:HZ2	18	1.37
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	14	1.37
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	19	1.37
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	7	1.37
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	7	1.37
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	7	1.37
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	18	1.37
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	10	1.37
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	15	1.37
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	6	1.37
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	6	1.37
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	6	1.37
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	6	1.37
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	6	1.37
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	6	1.37
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	6	1.37
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	6	1.37
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	6	1.37
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	19	1.37
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	13	1.36
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	13	1.36
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	13	1.36
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	13	1.36
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	13	1.36
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	13	1.36
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG11	18	1.36
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG12	18	1.36
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG13	18	1.36
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG21	18	1.36
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG22	18	1.36
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG23	18	1.36
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	5	1.36
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	5	1.36
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	4	1.36
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	4	1.36
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	4	1.36
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	4	1.36
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	4	1.36
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	4	1.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	4	1.36
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	4	1.36
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	4	1.36
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	4	1.36
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD11	1	1.36
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD12	1	1.36
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD13	1	1.36
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD21	1	1.36
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD22	1	1.36
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD23	1	1.36
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD11	1	1.36
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD12	1	1.36
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD13	1	1.36
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD21	1	1.36
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD22	1	1.36
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD23	1	1.36
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	19	1.36
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	7	1.36
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	14	1.36
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	13	1.36
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	13	1.36
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	13	1.36
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	1	1.36
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	2	1.36
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	4	1.36
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	4	1.36
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	4	1.36
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	4	1.36
(1,401)	1:178:A:VAL:HG11	1:203:A:TRP:HA	7	1.36
(1,401)	1:178:A:VAL:HG12	1:203:A:TRP:HA	7	1.36
(1,401)	1:178:A:VAL:HG13	1:203:A:TRP:HA	7	1.36
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	11	1.36
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	11	1.36
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	11	1.36
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	11	1.36
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	11	1.36
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	11	1.36
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	11	1.36
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	11	1.36
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	11	1.36
(1,94)	1:117:A:ILE:HG13	1:160:A:ILE:HA	17	1.36
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	19	1.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	19	1.35
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	9	1.35
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	9	1.35
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	11	1.35
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	11	1.35
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	13	1.35
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	13	1.35
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	20	1.35
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	20	1.35
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	20	1.35
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	20	1.35
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	20	1.35
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	20	1.35
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	1	1.35
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	1	1.35
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	1	1.35
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	1	1.35
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	1	1.35
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	1	1.35
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	2	1.35
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	2	1.35
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	2	1.35
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	2	1.35
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	2	1.35
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	2	1.35
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	1	1.35
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	1	1.35
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	1	1.35
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	1	1.35
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	1	1.35
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	1	1.35
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	9	1.35
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	9	1.35
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	9	1.35
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	9	1.35
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	9	1.35
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	9	1.35
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG11	9	1.35
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG12	9	1.35
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG13	9	1.35
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG21	9	1.35
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG22	9	1.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG23	9	1.35
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	15	1.35
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	15	1.35
(1,1491)	1:108:A:LYS:HG2	1:109:A:GLN:HA	4	1.35
(1,1491)	1:108:A:LYS:HG3	1:109:A:GLN:HA	4	1.35
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	16	1.35
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	16	1.35
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	9	1.35
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	9	1.35
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	9	1.35
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	9	1.35
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	9	1.35
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	9	1.35
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	12	1.35
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	12	1.35
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	13	1.35
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	4	1.35
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	2	1.35
(1,719)	1:146:A:LEU:HG	1:147:A:LEU:H	15	1.35
(1,595)	1:106:A:MET:HG3	1:122:A:ALA:H	7	1.35
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	6	1.35
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	6	1.35
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	6	1.35
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	6	1.35
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	10	1.35
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG2	10	1.35
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG3	10	1.35
(1,291)	1:115:A:LEU:HG	1:169:A:HIS:HE1	8	1.35
(1,194)	1:144:A:LEU:HD11	1:146:A:LEU:HA	3	1.35
(1,194)	1:144:A:LEU:HD12	1:146:A:LEU:HA	3	1.35
(1,194)	1:144:A:LEU:HD13	1:146:A:LEU:HA	3	1.35
(1,194)	1:144:A:LEU:HD21	1:146:A:LEU:HA	3	1.35
(1,194)	1:144:A:LEU:HD22	1:146:A:LEU:HA	3	1.35
(1,194)	1:144:A:LEU:HD23	1:146:A:LEU:HA	3	1.35
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	20	1.35
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	20	1.35
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	20	1.35
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	20	1.35
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	20	1.35
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	20	1.35
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	17	1.35
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	17	1.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	17	1.35
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	17	1.35
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	17	1.35
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	17	1.35
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	18	1.35
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	18	1.35
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	18	1.35
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	18	1.35
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	18	1.35
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	18	1.35
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	18	1.35
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	18	1.35
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	18	1.35
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	8	1.35
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	8	1.35
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	8	1.35
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	7	1.35
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	11	1.34
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	11	1.34
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	11	1.34
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	11	1.34
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	11	1.34
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	11	1.34
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	12	1.34
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	12	1.34
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	16	1.34
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	16	1.34
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	2	1.34
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	2	1.34
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	2	1.34
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	2	1.34
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	2	1.34
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	2	1.34
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	10	1.34
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	20	1.34
(1,1188)	1:144:A:LEU:HG	1:145:A:ILE:H	18	1.34
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	17	1.34
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	9	1.34
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	4	1.34
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	12	1.34
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	12	1.34
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	12	1.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	12	1.34
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	12	1.34
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	12	1.34
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	14	1.34
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	14	1.34
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	14	1.34
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	16	1.34
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	16	1.34
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	16	1.34
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	19	1.34
(1,595)	1:106:A:MET:HG3	1:122:A:ALA:H	15	1.34
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	18	1.34
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	18	1.34
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	18	1.34
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	11	1.34
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	8	1.34
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	8	1.34
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	8	1.34
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	18	1.34
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	18	1.34
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	10	1.33
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	10	1.33
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	13	1.33
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	13	1.33
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	18	1.33
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	18	1.33
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	18	1.33
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	18	1.33
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	18	1.33
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	18	1.33
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	18	1.33
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	18	1.33
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	18	1.33
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	18	1.33
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	18	1.33
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	18	1.33
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	14	1.33
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	14	1.33
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	14	1.33
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	14	1.33
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	14	1.33
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	14	1.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	7	1.33
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	7	1.33
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	7	1.33
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	7	1.33
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	7	1.33
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	7	1.33
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	18	1.33
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	18	1.33
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	18	1.33
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	18	1.33
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	18	1.33
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	18	1.33
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	10	1.33
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	10	1.33
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	20	1.33
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	20	1.33
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	20	1.33
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	20	1.33
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	20	1.33
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	20	1.33
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	3	1.33
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	3	1.33
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	8	1.33
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	8	1.33
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	8	1.33
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	8	1.33
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	8	1.33
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	8	1.33
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	18	1.33
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	6	1.33
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	11	1.33
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	8	1.33
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	17	1.33
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	20	1.33
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	7	1.33
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	12	1.33
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	12	1.33
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	12	1.33
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	9	1.33
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	9	1.33
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	9	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	7	1.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	7	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	7	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	7	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	7	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	7	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	7	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	7	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	7	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	12	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	12	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	12	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	12	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	12	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	12	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	12	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	12	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	12	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	13	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	13	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	13	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	13	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	13	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	13	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	13	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	13	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	13	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	14	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	14	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	14	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	14	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	14	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	14	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	14	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	14	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	14	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	20	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	20	1.33
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	20	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	20	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	20	1.33
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	20	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	20	1.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	20	1.33
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	20	1.33
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	13	1.32
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	13	1.32
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	11	1.32
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	11	1.32
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	11	1.32
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	11	1.32
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	11	1.32
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	11	1.32
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	11	1.32
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	11	1.32
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	11	1.32
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	11	1.32
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	11	1.32
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	11	1.32
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	11	1.32
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	11	1.32
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	11	1.32
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	11	1.32
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	11	1.32
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	11	1.32
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	11	1.32
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	11	1.32
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	17	1.32
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	17	1.32
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	7	1.32
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	7	1.32
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	7	1.32
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	7	1.32
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	7	1.32
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	7	1.32
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	11	1.32
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	11	1.32
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	11	1.32
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	11	1.32
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	11	1.32
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	11	1.32
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	13	1.32
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	13	1.32
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	13	1.32
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	13	1.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD1	6	1.32
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD2	6	1.32
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD1	6	1.32
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD2	6	1.32
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD1	6	1.32
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD2	6	1.32
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	10	1.32
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	9	1.32
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	4	1.32
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	9	1.32
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	3	1.32
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	20	1.32
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	15	1.32
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	14	1.32
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	14	1.32
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	14	1.32
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	16	1.32
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	1	1.32
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	14	1.32
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	16	1.32
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	2	1.32
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	2	1.32
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	2	1.32
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	2	1.32
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	2	1.32
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	2	1.32
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD11	15	1.32
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD12	15	1.32
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD13	15	1.32
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD11	15	1.32
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD12	15	1.32
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD13	15	1.32
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	8	1.31
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	8	1.31
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	6	1.31
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	6	1.31
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	6	1.31
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	6	1.31
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	6	1.31
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	6	1.31
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	6	1.31
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	6	1.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	2	1.31
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	2	1.31
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	2	1.31
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	2	1.31
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	2	1.31
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	2	1.31
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	10	1.31
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	10	1.31
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	10	1.31
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	10	1.31
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	10	1.31
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	10	1.31
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	16	1.31
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	16	1.31
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	16	1.31
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	16	1.31
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	16	1.31
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	16	1.31
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	7	1.31
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	7	1.31
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	7	1.31
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	7	1.31
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	7	1.31
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	7	1.31
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	14	1.31
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	14	1.31
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	9	1.31
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	9	1.31
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	9	1.31
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	9	1.31
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	9	1.31
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	9	1.31
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	16	1.31
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	16	1.31
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	16	1.31
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	16	1.31
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	16	1.31
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	16	1.31
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	7	1.31
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	7	1.31
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	2	1.31
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	2	1.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	2	1.31
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	2	1.31
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	2	1.31
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	2	1.31
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	10	1.31
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	10	1.31
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	10	1.31
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	10	1.31
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	10	1.31
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	10	1.31
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	8	1.31
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	17	1.31
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	20	1.31
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	17	1.31
(1,1042)	1:136:A:VAL:H	1:142:A:GLU:HB2	12	1.31
(1,1042)	1:136:A:VAL:H	1:142:A:GLU:HB3	12	1.31
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	11	1.31
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	11	1.31
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	11	1.31
(1,642)	1:127:A:ASN:H	1:191:A:THR:HB	8	1.31
(1,599)	1:121:A:GLN:HE21	1:122:A:ALA:H	19	1.31
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	10	1.31
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	10	1.31
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	13	1.31
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	13	1.31
(1,402)	1:194:A:VAL:HB	1:203:A:TRP:HB2	9	1.31
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	2	1.31
(1,217)	1:129:A:ILE:HG21	1:150:A:PHE:HA	9	1.31
(1,217)	1:129:A:ILE:HG22	1:150:A:PHE:HA	9	1.31
(1,217)	1:129:A:ILE:HG23	1:150:A:PHE:HA	9	1.31
(1,189)	1:87:A:SER:HA	1:137:A:ILE:HG12	9	1.31
(1,189)	1:87:A:SER:HA	1:137:A:ILE:HG13	9	1.31
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	10	1.31
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	10	1.31
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	10	1.31
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	10	1.31
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	10	1.31
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	10	1.31
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	10	1.31
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	10	1.31
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	10	1.31
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	11	1.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	11	1.3
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	11	1.3
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	11	1.3
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	11	1.3
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	11	1.3
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	17	1.3
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	17	1.3
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	17	1.3
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	17	1.3
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	17	1.3
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	17	1.3
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	7	1.3
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	7	1.3
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	7	1.3
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	7	1.3
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	7	1.3
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	7	1.3
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	7	1.3
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	7	1.3
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	7	1.3
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	7	1.3
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	7	1.3
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	7	1.3
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG2	16	1.3
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG3	16	1.3
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG11	20	1.3
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG12	20	1.3
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG13	20	1.3
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG21	20	1.3
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG22	20	1.3
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG23	20	1.3
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	12	1.3
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	12	1.3
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	12	1.3
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	12	1.3
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	12	1.3
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	12	1.3
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	6	1.3
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	6	1.3
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	4	1.3
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	4	1.3
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	4	1.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	4	1.3
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	4	1.3
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	4	1.3
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	4	1.3
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	4	1.3
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	13	1.3
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	13	1.3
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	13	1.3
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	13	1.3
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	13	1.3
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	13	1.3
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	6	1.3
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	6	1.3
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	6	1.3
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	6	1.3
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	6	1.3
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	6	1.3
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	3	1.3
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	3	1.3
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	3	1.3
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	3	1.3
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	3	1.3
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	3	1.3
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	2	1.3
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	8	1.3
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	17	1.3
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	7	1.3
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	10	1.3
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	2	1.3
(1,999)	1:194:A:VAL:HG21	1:199:A:GLN:H	13	1.3
(1,999)	1:194:A:VAL:HG22	1:199:A:GLN:H	13	1.3
(1,999)	1:194:A:VAL:HG23	1:199:A:GLN:H	13	1.3
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	17	1.3
(1,964)	1:190:A:ASN:HD21	1:191:A:THR:H	8	1.3
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	14	1.3
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	2	1.3
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	2	1.3
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	2	1.3
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	11	1.3
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	11	1.3
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	11	1.3
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	17	1.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	19	1.3
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	19	1.3
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	19	1.3
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	6	1.3
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	6	1.3
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	13	1.3
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	15	1.3
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	3	1.3
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	3	1.3
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	3	1.3
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	1	1.3
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	1	1.3
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	1	1.3
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	19	1.3
(1,364)	1:190:A:ASN:HB3	1:191:A:THR:HB	7	1.3
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	2	1.3
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	13	1.3
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	13	1.3
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	13	1.3
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	17	1.3
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	17	1.3
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	17	1.3
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	17	1.3
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	17	1.3
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	17	1.3
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	17	1.3
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	17	1.3
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	17	1.3
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	5	1.3
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	5	1.3
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	5	1.3
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	17	1.3
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	10	1.3
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	5	1.29
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	5	1.29
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	5	1.29
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	5	1.29
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	5	1.29
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	5	1.29
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	17	1.29
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	17	1.29
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	1	1.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	1	1.29
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	10	1.29
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	10	1.29
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	19	1.29
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	19	1.29
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	12	1.29
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	12	1.29
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	12	1.29
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	12	1.29
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	12	1.29
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	12	1.29
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	7	1.29
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	7	1.29
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	7	1.29
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	7	1.29
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	7	1.29
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	7	1.29
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	8	1.29
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	8	1.29
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	20	1.29
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	20	1.29
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	20	1.29
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	20	1.29
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	20	1.29
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	20	1.29
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	20	1.29
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	20	1.29
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	20	1.29
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	14	1.29
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	7	1.29
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	16	1.29
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	5	1.29
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	3	1.29
(1,999)	1:194:A:VAL:HG21	1:199:A:GLN:H	3	1.29
(1,999)	1:194:A:VAL:HG22	1:199:A:GLN:H	3	1.29
(1,999)	1:194:A:VAL:HG23	1:199:A:GLN:H	3	1.29
(1,885)	1:180:A:VAL:H	1:182:A:ILE:HB	13	1.29
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	1	1.29
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	1	1.29
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	8	1.29
(1,385)	1:196:A:GLU:H	1:197:A:THR:HG21	4	1.29
(1,385)	1:196:A:GLU:H	1:197:A:THR:HG22	4	1.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:196:A:GLU:H	1:197:A:THR:HG23	4	1.29
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	1	1.29
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	15	1.29
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	8	1.29
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	8	1.29
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	2	1.29
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	2	1.29
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	2	1.29
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	2	1.29
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	2	1.29
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	2	1.29
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	2	1.29
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	2	1.29
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	2	1.29
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	2	1.29
(1,1800)	1:199:A:GLN:HB2	1:203:A:TRP:HD1	11	1.28
(1,1800)	1:199:A:GLN:HB3	1:203:A:TRP:HD1	11	1.28
(1,1795)	1:198:A:LEU:H	1:199:A:GLN:HG2	16	1.28
(1,1795)	1:198:A:LEU:H	1:199:A:GLN:HG3	16	1.28
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	13	1.28
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	13	1.28
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	13	1.28
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	13	1.28
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	13	1.28
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	13	1.28
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	14	1.28
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	14	1.28
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	14	1.28
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	14	1.28
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	14	1.28
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	14	1.28
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	14	1.28
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	14	1.28
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	14	1.28
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	14	1.28
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	14	1.28
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	14	1.28
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	11	1.28
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	11	1.28
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	11	1.28
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	11	1.28
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	11	1.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	11	1.28
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	11	1.28
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	11	1.28
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	11	1.28
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	11	1.28
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	11	1.28
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	11	1.28
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG11	7	1.28
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG12	7	1.28
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG13	7	1.28
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG21	7	1.28
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG22	7	1.28
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG23	7	1.28
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	9	1.28
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	9	1.28
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	19	1.28
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	19	1.28
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	10	1.28
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	10	1.28
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	10	1.28
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	10	1.28
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	10	1.28
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	10	1.28
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	3	1.28
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	2	1.28
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	6	1.28
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	4	1.28
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	4	1.28
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	4	1.28
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	3	1.28
(1,639)	1:127:A:ASN:H	1:152:A:GLU:HG3	17	1.28
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	16	1.28
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	16	1.28
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	16	1.28
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	1	1.28
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	4	1.28
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	4	1.28
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	4	1.28
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	4	1.28
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	10	1.28
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	4	1.28
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	4	1.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	4	1.28
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	4	1.28
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	4	1.28
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	4	1.28
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	4	1.28
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	4	1.28
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	4	1.28
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	1	1.28
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	6	1.27
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	6	1.27
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	6	1.27
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	6	1.27
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	6	1.27
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	6	1.27
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	15	1.27
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	15	1.27
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	15	1.27
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	15	1.27
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	15	1.27
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	15	1.27
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	4	1.27
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	4	1.27
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	17	1.27
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	17	1.27
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	17	1.27
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	17	1.27
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	17	1.27
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	17	1.27
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG12	16	1.27
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG13	16	1.27
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	12	1.27
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	12	1.27
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	18	1.27
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	18	1.27
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	8	1.27
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	12	1.27
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	5	1.27
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	2	1.27
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	2	1.27
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	2	1.27
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	9	1.27
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	2	1.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	11	1.27
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	11	1.27
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	11	1.27
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	6	1.27
(1,649)	1:128:A:ILE:H	1:152:A:GLU:HG2	3	1.27
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	5	1.27
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	5	1.27
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	5	1.27
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	20	1.27
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	20	1.27
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	2	1.27
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	18	1.27
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	5	1.27
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	19	1.27
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	19	1.27
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	19	1.27
(1,385)	1:196:A:GLU:H	1:197:A:THR:HG21	14	1.27
(1,385)	1:196:A:GLU:H	1:197:A:THR:HG22	14	1.27
(1,385)	1:196:A:GLU:H	1:197:A:THR:HG23	14	1.27
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	12	1.27
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	9	1.27
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG2	6	1.27
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG3	6	1.27
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	4	1.27
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	4	1.27
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	4	1.27
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	11	1.27
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	11	1.27
(1,68)	1:106:A:MET:HG3	1:122:A:ALA:HA	7	1.27
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	11	1.26
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	11	1.26
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	11	1.26
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	11	1.26
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	11	1.26
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	11	1.26
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	16	1.26
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	16	1.26
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	16	1.26
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	16	1.26
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	16	1.26
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	16	1.26
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	11	1.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	11	1.26
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	11	1.26
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	11	1.26
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	11	1.26
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	11	1.26
(1,1691)	1:162:A:PRO:HB2	1:169:A:HIS:HE1	4	1.26
(1,1691)	1:162:A:PRO:HB3	1:169:A:HIS:HE1	4	1.26
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	1	1.26
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	1	1.26
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	2	1.26
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	2	1.26
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	3	1.26
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	3	1.26
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	3	1.26
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	3	1.26
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	3	1.26
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	3	1.26
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	13	1.26
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	13	1.26
(1,1461)	1:104:A:MET:HG2	1:106:A:MET:H	19	1.26
(1,1461)	1:104:A:MET:HG3	1:106:A:MET:H	19	1.26
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	2	1.26
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	2	1.26
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	15	1.26
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	15	1.26
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	15	1.26
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	15	1.26
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	15	1.26
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	15	1.26
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	11	1.26
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	10	1.26
(1,999)	1:194:A:VAL:HG21	1:199:A:GLN:H	8	1.26
(1,999)	1:194:A:VAL:HG22	1:199:A:GLN:H	8	1.26
(1,999)	1:194:A:VAL:HG23	1:199:A:GLN:H	8	1.26
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	12	1.26
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	4	1.26
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	4	1.26
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	4	1.26
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	2	1.26
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	2	1.26
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	10	1.26
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	13	1.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	4	1.26
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	4	1.26
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	4	1.26
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	4	1.26
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	4	1.26
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	4	1.26
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	18	1.26
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	18	1.26
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	18	1.26
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	7	1.26
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	14	1.26
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	14	1.26
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	14	1.26
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	9	1.26
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	9	1.26
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	9	1.26
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	9	1.26
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	9	1.26
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	9	1.26
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	9	1.26
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	9	1.26
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	9	1.26
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	3	1.26
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	12	1.25
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	12	1.25
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	1	1.25
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	1	1.25
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	13	1.25
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	13	1.25
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG2	13	1.25
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG3	13	1.25
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	9	1.25
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	9	1.25
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	1	1.25
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	1	1.25
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	1	1.25
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	1	1.25
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	1	1.25
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	1	1.25
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	14	1.25
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	14	1.25
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	20	1.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	20	1.25
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	5	1.25
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	5	1.25
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	5	1.25
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	5	1.25
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	5	1.25
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	5	1.25
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	20	1.25
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	10	1.25
(1,999)	1:194:A:VAL:HG21	1:199:A:GLN:H	20	1.25
(1,999)	1:194:A:VAL:HG22	1:199:A:GLN:H	20	1.25
(1,999)	1:194:A:VAL:HG23	1:199:A:GLN:H	20	1.25
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	20	1.25
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	18	1.25
(1,821)	1:114:A:SER:HA	1:163:A:LEU:H	17	1.25
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	3	1.25
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	7	1.25
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	4	1.25
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	20	1.25
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	20	1.25
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	20	1.25
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	15	1.25
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	18	1.25
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	9	1.25
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	9	1.25
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	9	1.25
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	9	1.25
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	9	1.25
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	9	1.25
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	2	1.24
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	2	1.24
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	6	1.24
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	6	1.24
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	6	1.24
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	6	1.24
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	6	1.24
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	6	1.24
(1,1738)	1:179:A:GLY:HA2	1:182:A:ILE:HD11	17	1.24
(1,1738)	1:179:A:GLY:HA2	1:182:A:ILE:HD12	17	1.24
(1,1738)	1:179:A:GLY:HA2	1:182:A:ILE:HD13	17	1.24
(1,1738)	1:179:A:GLY:HA3	1:182:A:ILE:HD11	17	1.24
(1,1738)	1:179:A:GLY:HA3	1:182:A:ILE:HD12	17	1.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1738)	1:179:A:GLY:HA3	1:182:A:ILE:HD13	17	1.24
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	1	1.24
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	1	1.24
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	11	1.24
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	11	1.24
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	15	1.24
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	15	1.24
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	15	1.24
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	15	1.24
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	7	1.24
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	7	1.24
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	7	1.24
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	7	1.24
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	7	1.24
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	7	1.24
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	4	1.24
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	4	1.24
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	4	1.24
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	4	1.24
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	4	1.24
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	4	1.24
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	20	1.24
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	20	1.24
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	20	1.24
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	20	1.24
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	20	1.24
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	20	1.24
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	6	1.24
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	6	1.24
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	4	1.24
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	4	1.24
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	4	1.24
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	4	1.24
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	4	1.24
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	4	1.24
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	11	1.24
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	11	1.24
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	11	1.24
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	11	1.24
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	11	1.24
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	11	1.24
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	9	1.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	9	1.24
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	9	1.24
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	9	1.24
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	9	1.24
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	9	1.24
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	15	1.24
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	15	1.24
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	15	1.24
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	16	1.24
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	16	1.24
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	16	1.24
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	4	1.24
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	1	1.24
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	1	1.24
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	1	1.24
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	15	1.24
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	7	1.24
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	18	1.24
(1,595)	1:106:A:MET:HG3	1:122:A:ALA:H	16	1.24
(1,595)	1:106:A:MET:HG3	1:122:A:ALA:H	18	1.24
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	19	1.24
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	19	1.24
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	19	1.24
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	13	1.24
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	13	1.24
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	13	1.24
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	11	1.24
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	11	1.24
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	11	1.24
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	4	1.24
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	4	1.24
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	4	1.24
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	2	1.24
(1,68)	1:106:A:MET:HG3	1:122:A:ALA:HA	16	1.24
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	18	1.23
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	18	1.23
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	16	1.23
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	16	1.23
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	16	1.23
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	16	1.23
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	16	1.23
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	16	1.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	4	1.23
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	4	1.23
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	12	1.23
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	12	1.23
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	12	1.23
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	12	1.23
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	12	1.23
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	12	1.23
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	4	1.23
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	4	1.23
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	4	1.23
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	4	1.23
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	4	1.23
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	4	1.23
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	7	1.23
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	7	1.23
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	7	1.23
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	6	1.23
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	6	1.23
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	6	1.23
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	1	1.23
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	6	1.23
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	12	1.23
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	8	1.23
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	8	1.23
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	8	1.23
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	10	1.23
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	10	1.23
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	10	1.23
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	15	1.23
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	1	1.23
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	16	1.23
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	6	1.23
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	19	1.23
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	10	1.23
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	10	1.23
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	10	1.23
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	19	1.23
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	16	1.23
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	11	1.23
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	12	1.23
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	7	1.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	7	1.23
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	1	1.23
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	7	1.23
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	7	1.23
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	7	1.23
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	2	1.23
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	2	1.23
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	2	1.23
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	8	1.23
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	2	1.22
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	2	1.22
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	2	1.22
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	2	1.22
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	2	1.22
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	2	1.22
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	1	1.22
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	1	1.22
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	1	1.22
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	1	1.22
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	1	1.22
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	1	1.22
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	8	1.22
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	8	1.22
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	16	1.22
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	16	1.22
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	16	1.22
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	16	1.22
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	16	1.22
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	16	1.22
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	19	1.22
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	19	1.22
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG11	14	1.22
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG12	14	1.22
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG13	14	1.22
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG21	14	1.22
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG22	14	1.22
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG23	14	1.22
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG2	2	1.22
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG3	2	1.22
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	17	1.22
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	17	1.22
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	20	1.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	20	1.22
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	1	1.22
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	1	1.22
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	1	1.22
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	1	1.22
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	1	1.22
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	1	1.22
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	1	1.22
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	1	1.22
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	13	1.22
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	13	1.22
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	13	1.22
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	13	1.22
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	13	1.22
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	13	1.22
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	4	1.22
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	4	1.22
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	4	1.22
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	16	1.22
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	10	1.22
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	1	1.22
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	9	1.22
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	20	1.22
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	1	1.22
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	18	1.22
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	18	1.22
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	18	1.22
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	8	1.22
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	3	1.22
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	1	1.22
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	1	1.22
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	1	1.22
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	1	1.22
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	11	1.22
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	16	1.22
(1,719)	1:146:A:LEU:HG	1:147:A:LEU:H	7	1.22
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	11	1.22
(1,595)	1:106:A:MET:HG3	1:122:A:ALA:H	12	1.22
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	15	1.22
(1,443)	1:88:A:ARG:HG3	1:89:A:TYR:H	12	1.22
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	11	1.22
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	11	1.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	11	1.22
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	13	1.22
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	13	1.22
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	18	1.22
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	18	1.22
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	18	1.22
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	15	1.22
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	15	1.22
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	15	1.22
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	20	1.21
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	20	1.21
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	7	1.21
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	7	1.21
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	9	1.21
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	9	1.21
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	4	1.21
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	4	1.21
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	4	1.21
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	4	1.21
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	14	1.21
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	14	1.21
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	14	1.21
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	14	1.21
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	9	1.21
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	9	1.21
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	9	1.21
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	9	1.21
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	9	1.21
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	9	1.21
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	13	1.21
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	13	1.21
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	13	1.21
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	13	1.21
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	13	1.21
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	13	1.21
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	7	1.21
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	7	1.21
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	10	1.21
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	10	1.21
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	11	1.21
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	11	1.21
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	11	1.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	11	1.21
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	8	1.21
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	8	1.21
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	4	1.21
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	6	1.21
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	14	1.21
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	5	1.21
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	10	1.21
(1,998)	1:194:A:VAL:HG11	1:199:A:GLN:H	18	1.21
(1,998)	1:194:A:VAL:HG12	1:199:A:GLN:H	18	1.21
(1,998)	1:194:A:VAL:HG13	1:199:A:GLN:H	18	1.21
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	3	1.21
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	11	1.21
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	15	1.21
(1,589)	1:121:A:GLN:H	1:121:A:GLN:HG2	4	1.21
(1,388)	1:196:A:GLU:HB3	1:197:A:THR:HA	8	1.21
(1,385)	1:196:A:GLU:H	1:197:A:THR:HG21	1	1.21
(1,385)	1:196:A:GLU:H	1:197:A:THR:HG22	1	1.21
(1,385)	1:196:A:GLU:H	1:197:A:THR:HG23	1	1.21
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	15	1.21
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	14	1.21
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	14	1.21
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	14	1.21
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	12	1.21
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	12	1.21
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	8	1.21
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	8	1.21
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	8	1.21
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	19	1.21
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	19	1.21
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	19	1.21
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	12	1.21
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	12	1.21
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	12	1.21
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	19	1.21
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	19	1.21
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	19	1.21
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	19	1.21
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	19	1.21
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	19	1.21
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	10	1.21
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	10	1.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	10	1.21
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	10	1.21
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	10	1.21
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	10	1.21
(1,146)	1:130:A:LEU:H	1:193:A:ARG:HG2	8	1.21
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	5	1.2
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	5	1.2
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	19	1.2
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	19	1.2
(1,1782)	1:194:A:VAL:HG11	1:203:A:TRP:HB2	16	1.2
(1,1782)	1:194:A:VAL:HG12	1:203:A:TRP:HB2	16	1.2
(1,1782)	1:194:A:VAL:HG13	1:203:A:TRP:HB2	16	1.2
(1,1782)	1:194:A:VAL:HG21	1:203:A:TRP:HB2	16	1.2
(1,1782)	1:194:A:VAL:HG22	1:203:A:TRP:HB2	16	1.2
(1,1782)	1:194:A:VAL:HG23	1:203:A:TRP:HB2	16	1.2
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	10	1.2
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	10	1.2
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	10	1.2
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	10	1.2
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	10	1.2
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	10	1.2
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	5	1.2
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	5	1.2
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	5	1.2
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	5	1.2
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	5	1.2
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	5	1.2
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	14	1.2
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	14	1.2
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	6	1.2
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	6	1.2
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	6	1.2
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	6	1.2
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	6	1.2
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	6	1.2
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	6	1.2
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	6	1.2
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	6	1.2
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	6	1.2
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	6	1.2
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	6	1.2
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	2	1.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	2	1.2
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	2	1.2
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	2	1.2
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	12	1.2
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	12	1.2
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	4	1.2
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	4	1.2
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	16	1.2
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	16	1.2
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	17	1.2
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	17	1.2
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	17	1.2
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	17	1.2
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	17	1.2
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	17	1.2
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	7	1.2
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	7	1.2
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	7	1.2
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	7	1.2
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	7	1.2
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	7	1.2
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	17	1.2
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	17	1.2
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	17	1.2
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	12	1.2
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	12	1.2
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	12	1.2
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	9	1.2
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	12	1.2
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	19	1.2
(1,1044)	1:136:A:VAL:HB	1:142:A:GLU:H	12	1.2
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	1	1.2
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	12	1.2
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	18	1.2
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	13	1.2
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	19	1.2
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	1	1.2
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	1	1.2
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	1	1.2
(1,538)	1:109:A:GLN:HG2	1:110:A:LYS:H	2	1.2
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	14	1.2
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	14	1.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	14	1.2
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	14	1.2
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	14	1.2
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	14	1.2
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	6	1.2
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	6	1.2
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	6	1.2
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	13	1.2
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	1	1.2
(1,354)	1:124:A:MET:HG2	1:188:A:ASN:HB3	1	1.2
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	4	1.2
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	4	1.2
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	4	1.2
(1,68)	1:106:A:MET:HG3	1:122:A:ALA:HA	18	1.2
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	3	1.2
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	14	1.19
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	14	1.19
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	14	1.19
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	14	1.19
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	14	1.19
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	14	1.19
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	9	1.19
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	9	1.19
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	9	1.19
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	9	1.19
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	9	1.19
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	9	1.19
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	9	1.19
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	9	1.19
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	9	1.19
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	9	1.19
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	9	1.19
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	9	1.19
(1,1667)	1:147:A:LEU:HD11	1:148:A:ARG:HB2	5	1.19
(1,1667)	1:147:A:LEU:HD11	1:148:A:ARG:HB3	5	1.19
(1,1667)	1:147:A:LEU:HD12	1:148:A:ARG:HB2	5	1.19
(1,1667)	1:147:A:LEU:HD12	1:148:A:ARG:HB3	5	1.19
(1,1667)	1:147:A:LEU:HD13	1:148:A:ARG:HB2	5	1.19
(1,1667)	1:147:A:LEU:HD13	1:148:A:ARG:HB3	5	1.19
(1,1667)	1:147:A:LEU:HD21	1:148:A:ARG:HB2	5	1.19
(1,1667)	1:147:A:LEU:HD21	1:148:A:ARG:HB3	5	1.19
(1,1667)	1:147:A:LEU:HD22	1:148:A:ARG:HB2	5	1.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1667)	1:147:A:LEU:HD22	1:148:A:ARG:HB3	5	1.19
(1,1667)	1:147:A:LEU:HD23	1:148:A:ARG:HB2	5	1.19
(1,1667)	1:147:A:LEU:HD23	1:148:A:ARG:HB3	5	1.19
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG11	2	1.19
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG12	2	1.19
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG13	2	1.19
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG21	2	1.19
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG22	2	1.19
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG23	2	1.19
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	14	1.19
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	14	1.19
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	14	1.19
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	20	1.19
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	20	1.19
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	20	1.19
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	20	1.19
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	20	1.19
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	20	1.19
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	7	1.19
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	7	1.19
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	13	1.19
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	13	1.19
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	13	1.19
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	4	1.19
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	11	1.19
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	17	1.19
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	20	1.19
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	7	1.19
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	7	1.19
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	7	1.19
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	7	1.19
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	7	1.19
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	7	1.19
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	3	1.19
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	1	1.19
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	1	1.19
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	1	1.19
(1,589)	1:121:A:GLN:H	1:121:A:GLN:HG2	15	1.19
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	16	1.19
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	16	1.19
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	16	1.19
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	4	1.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	6	1.19
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	14	1.19
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	4	1.19
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	5	1.19
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	5	1.19
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	5	1.19
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	18	1.19
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	18	1.19
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	18	1.19
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	16	1.19
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	16	1.19
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	16	1.19
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	6	1.19
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	6	1.19
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	2	1.19
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	2	1.19
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	2	1.19
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	2	1.19
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	2	1.19
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	2	1.19
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	8	1.19
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	8	1.19
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	8	1.19
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	8	1.19
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	8	1.19
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	8	1.19
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	8	1.19
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	8	1.19
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	8	1.19
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	1	1.18
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	1	1.18
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	1	1.18
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	1	1.18
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	1	1.18
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	1	1.18
(1,1738)	1:179:A:GLY:HA2	1:182:A:ILE:HD11	9	1.18
(1,1738)	1:179:A:GLY:HA2	1:182:A:ILE:HD12	9	1.18
(1,1738)	1:179:A:GLY:HA2	1:182:A:ILE:HD13	9	1.18
(1,1738)	1:179:A:GLY:HA3	1:182:A:ILE:HD11	9	1.18
(1,1738)	1:179:A:GLY:HA3	1:182:A:ILE:HD12	9	1.18
(1,1738)	1:179:A:GLY:HA3	1:182:A:ILE:HD13	9	1.18
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	9	1.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	9	1.18
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	9	1.18
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	9	1.18
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	9	1.18
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	9	1.18
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	20	1.18
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	20	1.18
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	20	1.18
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	20	1.18
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	20	1.18
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	20	1.18
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	6	1.18
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	6	1.18
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	10	1.18
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	10	1.18
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	10	1.18
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	10	1.18
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	10	1.18
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	10	1.18
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	10	1.18
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	10	1.18
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	10	1.18
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	10	1.18
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	10	1.18
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	10	1.18
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG11	4	1.18
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG12	4	1.18
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG13	4	1.18
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG21	4	1.18
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG22	4	1.18
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG23	4	1.18
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	14	1.18
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	14	1.18
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	19	1.18
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	19	1.18
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	3	1.18
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	3	1.18
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	8	1.18
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	8	1.18
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	8	1.18
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	8	1.18
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	8	1.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	8	1.18
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	13	1.18
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	13	1.18
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	13	1.18
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	13	1.18
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	14	1.18
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	14	1.18
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	14	1.18
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	14	1.18
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	14	1.18
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	14	1.18
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	5	1.18
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	5	1.18
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	14	1.18
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	14	1.18
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	8	1.18
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	8	1.18
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	8	1.18
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	8	1.18
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	8	1.18
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	8	1.18
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	12	1.18
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	18	1.18
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	15	1.18
(1,999)	1:194:A:VAL:HG21	1:199:A:GLN:H	17	1.18
(1,999)	1:194:A:VAL:HG22	1:199:A:GLN:H	17	1.18
(1,999)	1:194:A:VAL:HG23	1:199:A:GLN:H	17	1.18
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	18	1.18
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	14	1.18
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	7	1.18
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	16	1.18
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	18	1.18
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	14	1.18
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	14	1.18
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	14	1.18
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	8	1.18
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	8	1.18
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	8	1.18
(1,589)	1:121:A:GLN:H	1:121:A:GLN:HG2	16	1.18
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	4	1.18
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	4	1.18
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	4	1.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	14	1.18
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	14	1.18
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	14	1.18
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	5	1.18
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	8	1.18
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	8	1.18
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	8	1.18
(1,388)	1:196:A:GLU:HB3	1:197:A:THR:HA	20	1.18
(1,291)	1:115:A:LEU:HG	1:169:A:HIS:HE1	2	1.18
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	19	1.18
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	19	1.18
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	19	1.18
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	15	1.18
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	15	1.18
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	15	1.18
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	6	1.18
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	6	1.18
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	6	1.18
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	17	1.18
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	17	1.18
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	17	1.18
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	17	1.18
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	17	1.18
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	17	1.18
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	13	1.17
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	13	1.17
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	11	1.17
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	11	1.17
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	2	1.17
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	2	1.17
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	2	1.17
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	2	1.17
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	2	1.17
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	2	1.17
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	11	1.17
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	11	1.17
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	11	1.17
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	11	1.17
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	11	1.17
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	11	1.17
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	15	1.17
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	15	1.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	15	1.17
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	15	1.17
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	15	1.17
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	15	1.17
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	16	1.17
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	16	1.17
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	16	1.17
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	16	1.17
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	16	1.17
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	16	1.17
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	16	1.17
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	16	1.17
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	16	1.17
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	16	1.17
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	16	1.17
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	16	1.17
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	1	1.17
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	1	1.17
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	1	1.17
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	1	1.17
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	1	1.17
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	1	1.17
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	11	1.17
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	13	1.17
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	3	1.17
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	9	1.17
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	15	1.17
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	17	1.17
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	8	1.17
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	17	1.17
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	5	1.17
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	14	1.17
(1,402)	1:194:A:VAL:HB	1:203:A:TRP:HB2	15	1.17
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	1	1.17
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	1	1.17
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	1	1.17
(1,388)	1:196:A:GLU:HB3	1:197:A:THR:HA	17	1.17
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	7	1.17
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	19	1.17
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	19	1.17
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	19	1.17
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	9	1.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	9	1.17
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	9	1.17
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	10	1.17
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	10	1.17
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	10	1.17
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	18	1.17
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	18	1.17
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	18	1.17
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	18	1.17
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	18	1.17
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	18	1.17
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	18	1.17
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	18	1.17
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	18	1.17
(1,29)	1:90:A:LEU:HD21	1:197:A:THR:HB	9	1.17
(1,29)	1:90:A:LEU:HD22	1:197:A:THR:HB	9	1.17
(1,29)	1:90:A:LEU:HD23	1:197:A:THR:HB	9	1.17
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	10	1.16
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	10	1.16
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	17	1.16
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	17	1.16
(1,1795)	1:198:A:LEU:H	1:199:A:GLN:HG2	7	1.16
(1,1795)	1:198:A:LEU:H	1:199:A:GLN:HG3	7	1.16
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	3	1.16
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	3	1.16
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	3	1.16
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	3	1.16
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	3	1.16
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	3	1.16
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	15	1.16
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	15	1.16
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	19	1.16
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	19	1.16
(1,1708)	1:171:A:ASP:HB2	1:175:A:LYS:HB2	16	1.16
(1,1708)	1:171:A:ASP:HB2	1:175:A:LYS:HB3	16	1.16
(1,1708)	1:171:A:ASP:HB3	1:175:A:LYS:HB2	16	1.16
(1,1708)	1:171:A:ASP:HB3	1:175:A:LYS:HB3	16	1.16
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	5	1.16
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	5	1.16
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	5	1.16
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	5	1.16
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	5	1.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	5	1.16
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG11	13	1.16
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG12	13	1.16
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG13	13	1.16
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG21	13	1.16
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG22	13	1.16
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG23	13	1.16
(1,1515)	1:110:A:LYS:HG2	1:111:A:VAL:H	6	1.16
(1,1515)	1:110:A:LYS:HG3	1:111:A:VAL:H	6	1.16
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	17	1.16
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	17	1.16
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	17	1.16
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	17	1.16
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	17	1.16
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	17	1.16
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	20	1.16
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	20	1.16
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	1	1.16
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	1	1.16
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	1	1.16
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	1	1.16
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	19	1.16
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	19	1.16
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	19	1.16
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	19	1.16
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	19	1.16
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	19	1.16
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	14	1.16
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	14	1.16
(1,1378)	1:91:A:THR:HG21	1:133:A:ASN:HD21	1	1.16
(1,1378)	1:91:A:THR:HG21	1:133:A:ASN:HD22	1	1.16
(1,1378)	1:91:A:THR:HG22	1:133:A:ASN:HD21	1	1.16
(1,1378)	1:91:A:THR:HG22	1:133:A:ASN:HD22	1	1.16
(1,1378)	1:91:A:THR:HG23	1:133:A:ASN:HD21	1	1.16
(1,1378)	1:91:A:THR:HG23	1:133:A:ASN:HD22	1	1.16
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	5	1.16
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	5	1.16
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	7	1.16
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	13	1.16
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	20	1.16
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	14	1.16
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	18	1.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	6	1.16
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	13	1.16
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG2	14	1.16
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG3	14	1.16
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	18	1.16
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	18	1.16
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	2	1.16
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	8	1.16
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	9	1.16
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	4	1.16
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	4	1.16
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	4	1.16
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	18	1.16
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	18	1.16
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	18	1.16
(1,703)	1:137:A:ILE:HB	1:140:A:ARG:H	16	1.16
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	12	1.16
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	14	1.16
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	14	1.16
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	20	1.16
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	16	1.16
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	20	1.16
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	9	1.16
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	9	1.16
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	9	1.16
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	6	1.16
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	7	1.16
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	19	1.16
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	19	1.16
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	19	1.16
(1,355)	1:124:A:MET:HG3	1:188:A:ASN:HB3	20	1.16
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	1	1.16
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	1	1.16
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	13	1.16
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	13	1.16
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	2	1.16
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	2	1.16
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	2	1.16
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	11	1.16
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	11	1.16
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	11	1.16
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	14	1.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	14	1.16
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	5	1.16
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	5	1.16
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	5	1.16
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	5	1.16
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	5	1.16
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	5	1.16
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	5	1.16
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	5	1.16
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	5	1.16
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	4	1.16
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	2	1.15
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	2	1.15
(1,1708)	1:171:A:ASP:HB2	1:175:A:LYS:HB2	19	1.15
(1,1708)	1:171:A:ASP:HB2	1:175:A:LYS:HB3	19	1.15
(1,1708)	1:171:A:ASP:HB3	1:175:A:LYS:HB2	19	1.15
(1,1708)	1:171:A:ASP:HB3	1:175:A:LYS:HB3	19	1.15
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	1	1.15
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	1	1.15
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	1	1.15
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	1	1.15
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	1	1.15
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	1	1.15
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	2	1.15
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	2	1.15
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	2	1.15
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	2	1.15
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	2	1.15
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	2	1.15
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	2	1.15
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	2	1.15
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	2	1.15
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	2	1.15
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	2	1.15
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	2	1.15
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	2	1.15
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	2	1.15
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	2	1.15
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	2	1.15
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	2	1.15
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	2	1.15
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	6	1.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	6	1.15
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	6	1.15
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	6	1.15
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	6	1.15
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	6	1.15
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	6	1.15
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	6	1.15
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	6	1.15
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	6	1.15
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	6	1.15
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	6	1.15
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	6	1.15
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	6	1.15
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	6	1.15
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	6	1.15
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	6	1.15
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	6	1.15
(1,1494)	1:108:A:LYS:HG2	1:121:A:GLN:HG2	16	1.15
(1,1494)	1:108:A:LYS:HG2	1:121:A:GLN:HG3	16	1.15
(1,1494)	1:108:A:LYS:HG3	1:121:A:GLN:HG2	16	1.15
(1,1494)	1:108:A:LYS:HG3	1:121:A:GLN:HG3	16	1.15
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	6	1.15
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	6	1.15
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	6	1.15
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	6	1.15
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	12	1.15
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	12	1.15
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	12	1.15
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	12	1.15
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	12	1.15
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	12	1.15
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	19	1.15
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	20	1.15
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	20	1.15
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	20	1.15
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	16	1.15
(1,1052)	1:138:A:PHE:HB2	1:140:A:ARG:H	17	1.15
(1,1052)	1:138:A:PHE:HB3	1:140:A:ARG:H	17	1.15
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	13	1.15
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	15	1.15
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	2	1.15
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	14	1.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	16	1.15
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	16	1.15
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	16	1.15
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	16	1.15
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	3	1.15
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	3	1.15
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	3	1.15
(1,458)	1:90:A:LEU:HD21	1:91:A:THR:H	18	1.15
(1,458)	1:90:A:LEU:HD22	1:91:A:THR:H	18	1.15
(1,458)	1:90:A:LEU:HD23	1:91:A:THR:H	18	1.15
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	10	1.15
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	14	1.15
(1,355)	1:124:A:MET:HG3	1:188:A:ASN:HB3	13	1.15
(1,355)	1:124:A:MET:HG3	1:188:A:ASN:HB3	19	1.15
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	15	1.15
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	15	1.15
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	6	1.15
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	6	1.15
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	6	1.15
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	5	1.15
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	5	1.15
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	13	1.15
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	13	1.15
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	13	1.15
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	5	1.14
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	5	1.14
(1,1691)	1:162:A:PRO:HB2	1:169:A:HIS:HE1	15	1.14
(1,1691)	1:162:A:PRO:HB3	1:169:A:HIS:HE1	15	1.14
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	8	1.14
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	8	1.14
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	15	1.14
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	15	1.14
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	15	1.14
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	15	1.14
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	5	1.14
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	5	1.14
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	15	1.14
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	15	1.14
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	15	1.14
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	15	1.14
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	15	1.14
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	15	1.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	10	1.14
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	10	1.14
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	10	1.14
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	10	1.14
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	10	1.14
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	10	1.14
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	8	1.14
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	8	1.14
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	8	1.14
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	14	1.14
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	14	1.14
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	14	1.14
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	14	1.14
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	14	1.14
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	14	1.14
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	5	1.14
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	5	1.14
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	14	1.14
(1,1160)	1:131:A:LYS:H	1:147:A:LEU:HG	5	1.14
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	9	1.14
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	3	1.14
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	3	1.14
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	3	1.14
(1,1053)	1:136:A:VAL:HB	1:140:A:ARG:H	9	1.14
(1,1050)	1:137:A:ILE:HA	1:140:A:ARG:H	16	1.14
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	5	1.14
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	16	1.14
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	19	1.14
(1,808)	1:147:A:LEU:HG	1:160:A:ILE:H	11	1.14
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	9	1.14
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	15	1.14
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	17	1.14
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	10	1.14
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	11	1.14
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	11	1.14
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	11	1.14
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	5	1.14
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	5	1.14
(1,496)	1:100:A:ARG:H	1:100:A:ARG:HD3	9	1.14
(1,458)	1:90:A:LEU:HD21	1:91:A:THR:H	15	1.14
(1,458)	1:90:A:LEU:HD22	1:91:A:THR:H	15	1.14
(1,458)	1:90:A:LEU:HD23	1:91:A:THR:H	15	1.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	6	1.14
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	6	1.14
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	6	1.14
(1,401)	1:178:A:VAL:HG11	1:203:A:TRP:HA	16	1.14
(1,401)	1:178:A:VAL:HG12	1:203:A:TRP:HA	16	1.14
(1,401)	1:178:A:VAL:HG13	1:203:A:TRP:HA	16	1.14
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG2	20	1.14
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG3	20	1.14
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG2	20	1.14
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG3	20	1.14
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG2	20	1.14
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG3	20	1.14
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	12	1.14
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	12	1.14
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	12	1.14
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	13	1.14
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	13	1.14
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	13	1.14
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	18	1.14
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	18	1.14
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	18	1.14
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	5	1.14
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	5	1.14
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	5	1.14
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	12	1.14
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	12	1.14
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	12	1.14
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	5	1.14
(1,36)	1:91:A:THR:HG21	1:133:A:ASN:HB3	4	1.14
(1,36)	1:91:A:THR:HG22	1:133:A:ASN:HB3	4	1.14
(1,36)	1:91:A:THR:HG23	1:133:A:ASN:HB3	4	1.14
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	13	1.13
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	13	1.13
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	4	1.13
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	4	1.13
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	16	1.13
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	16	1.13
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	16	1.13
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	16	1.13
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	16	1.13
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	16	1.13
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	16	1.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	16	1.13
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	16	1.13
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	16	1.13
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	16	1.13
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	16	1.13
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	16	1.13
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	16	1.13
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	16	1.13
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	16	1.13
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	16	1.13
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	16	1.13
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	2	1.13
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	2	1.13
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	13	1.13
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	13	1.13
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	13	1.13
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	13	1.13
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	13	1.13
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	13	1.13
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	5	1.13
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	5	1.13
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	20	1.13
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	20	1.13
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	20	1.13
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	9	1.13
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	2	1.13
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG2	10	1.13
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG3	10	1.13
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	5	1.13
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	1	1.13
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	6	1.13
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	13	1.13
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	13	1.13
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	13	1.13
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	20	1.13
(1,595)	1:106:A:MET:HG3	1:122:A:ALA:H	11	1.13
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	12	1.13
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	12	1.13
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	12	1.13
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	19	1.13
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	12	1.13
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	12	1.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	12	1.13
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG2	17	1.13
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG3	17	1.13
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	7	1.13
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	7	1.13
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	7	1.13
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	5	1.13
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	5	1.13
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	5	1.13
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	13	1.13
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	13	1.13
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	7	1.13
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	7	1.13
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	16	1.13
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	16	1.13
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	16	1.13
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	16	1.13
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	16	1.13
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	16	1.13
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	16	1.13
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	16	1.13
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	16	1.13
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	19	1.13
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	19	1.13
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	19	1.13
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	6	1.12
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	6	1.12
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	4	1.12
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	4	1.12
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	4	1.12
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	4	1.12
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	4	1.12
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	4	1.12
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	5	1.12
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	5	1.12
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	5	1.12
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	5	1.12
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	5	1.12
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	5	1.12
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	3	1.12
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	3	1.12
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	10	1.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	10	1.12
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	10	1.12
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	10	1.12
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	20	1.12
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	20	1.12
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	20	1.12
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	20	1.12
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	20	1.12
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	20	1.12
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	2	1.12
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	2	1.12
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	2	1.12
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	2	1.12
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	2	1.12
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	2	1.12
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	16	1.12
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	16	1.12
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	16	1.12
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	16	1.12
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	16	1.12
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	16	1.12
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	7	1.12
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	7	1.12
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	7	1.12
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	7	1.12
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	7	1.12
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	7	1.12
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	17	1.12
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	17	1.12
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	17	1.12
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	17	1.12
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	17	1.12
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	17	1.12
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD1	19	1.12
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD2	19	1.12
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD1	19	1.12
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD2	19	1.12
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD1	19	1.12
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD2	19	1.12
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	12	1.12
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	12	1.12
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	12	1.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	12	1.12
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	12	1.12
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	12	1.12
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	19	1.12
(1,1053)	1:136:A:VAL:HB	1:140:A:ARG:H	5	1.12
(1,999)	1:194:A:VAL:HG21	1:199:A:GLN:H	4	1.12
(1,999)	1:194:A:VAL:HG22	1:199:A:GLN:H	4	1.12
(1,999)	1:194:A:VAL:HG23	1:199:A:GLN:H	4	1.12
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	4	1.12
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	11	1.12
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	11	1.12
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	13	1.12
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	17	1.12
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	12	1.12
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	12	1.12
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	12	1.12
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	15	1.12
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	3	1.12
(1,402)	1:194:A:VAL:HB	1:203:A:TRP:HB2	11	1.12
(1,401)	1:178:A:VAL:HG11	1:203:A:TRP:HA	11	1.12
(1,401)	1:178:A:VAL:HG12	1:203:A:TRP:HA	11	1.12
(1,401)	1:178:A:VAL:HG13	1:203:A:TRP:HA	11	1.12
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	18	1.12
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	11	1.12
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	11	1.12
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG2	19	1.12
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG3	19	1.12
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	8	1.12
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	8	1.12
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	8	1.12
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	1	1.12
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	1	1.12
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	1	1.12
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	16	1.12
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	19	1.12
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	19	1.12
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	14	1.12
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	14	1.12
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	14	1.12
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	14	1.12
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	14	1.12
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	14	1.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	15	1.12
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	15	1.12
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	15	1.12
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	15	1.12
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	15	1.12
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	15	1.12
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	15	1.12
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	15	1.12
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	15	1.12
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	15	1.11
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	15	1.11
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	15	1.11
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	15	1.11
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	15	1.11
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	15	1.11
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	15	1.11
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	15	1.11
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	15	1.11
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	15	1.11
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	15	1.11
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	15	1.11
(1,1757)	1:185:A:LEU:HD11	1:186:A:GLU:HA	8	1.11
(1,1757)	1:185:A:LEU:HD12	1:186:A:GLU:HA	8	1.11
(1,1757)	1:185:A:LEU:HD13	1:186:A:GLU:HA	8	1.11
(1,1757)	1:185:A:LEU:HD21	1:186:A:GLU:HA	8	1.11
(1,1757)	1:185:A:LEU:HD22	1:186:A:GLU:HA	8	1.11
(1,1757)	1:185:A:LEU:HD23	1:186:A:GLU:HA	8	1.11
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	2	1.11
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	2	1.11
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	2	1.11
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	2	1.11
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	2	1.11
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	2	1.11
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	6	1.11
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	6	1.11
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	6	1.11
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	6	1.11
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	6	1.11
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	6	1.11
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	6	1.11
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	6	1.11
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	6	1.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	6	1.11
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	11	1.11
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	11	1.11
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	11	1.11
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	11	1.11
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	11	1.11
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	11	1.11
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	17	1.11
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	17	1.11
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	14	1.11
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	14	1.11
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	14	1.11
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	14	1.11
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	14	1.11
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	14	1.11
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	15	1.11
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	15	1.11
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	15	1.11
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	15	1.11
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	15	1.11
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	15	1.11
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	17	1.11
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	17	1.11
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	17	1.11
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	17	1.11
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	17	1.11
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	17	1.11
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	17	1.11
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	18	1.11
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	18	1.11
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	18	1.11
(1,1139)	1:106:A:MET:HG3	1:123:A:ILE:H	13	1.11
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	1	1.11
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	17	1.11
(1,1105)	1:108:A:LYS:HG3	1:109:A:GLN:H	4	1.11
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	15	1.11
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	20	1.11
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	20	1.11
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	20	1.11
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	10	1.11
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	18	1.11
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	18	1.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	18	1.11
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	1	1.11
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	17	1.11
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	17	1.11
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	17	1.11
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	11	1.11
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	11	1.11
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	11	1.11
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	1	1.11
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	1	1.11
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	1	1.11
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	3	1.11
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	3	1.11
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	3	1.11
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	12	1.11
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	12	1.11
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	12	1.11
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	4	1.11
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	11	1.11
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	11	1.11
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	11	1.11
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	17	1.11
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	10	1.11
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	10	1.11
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	10	1.11
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	10	1.11
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	10	1.11
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	10	1.11
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	15	1.11
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	15	1.11
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	15	1.11
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	17	1.1
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	17	1.1
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	17	1.1
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	17	1.1
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	17	1.1
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	17	1.1
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	16	1.1
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	16	1.1
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	16	1.1
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	16	1.1
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	16	1.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	16	1.1
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	15	1.1
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	15	1.1
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	15	1.1
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	15	1.1
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	15	1.1
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	15	1.1
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	12	1.1
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	12	1.1
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	12	1.1
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	12	1.1
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	12	1.1
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	12	1.1
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	5	1.1
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	5	1.1
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	6	1.1
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	6	1.1
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	6	1.1
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	6	1.1
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	6	1.1
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	6	1.1
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	14	1.1
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	14	1.1
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	4	1.1
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	4	1.1
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	6	1.1
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	7	1.1
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	3	1.1
(1,1175)	1:135:A:SER:H	1:144:A:LEU:HA	7	1.1
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE1	8	1.1
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE2	8	1.1
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	6	1.1
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	9	1.1
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	7	1.1
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	2	1.1
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	2	1.1
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	2	1.1
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	3	1.1
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	3	1.1
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	3	1.1
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	20	1.1
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	20	1.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	20	1.1
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	9	1.1
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	15	1.1
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	15	1.1
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	15	1.1
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	1	1.1
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	1	1.1
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	1	1.1
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	13	1.1
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	8	1.1
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	8	1.1
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	8	1.1
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	14	1.1
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	14	1.1
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	14	1.1
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	6	1.1
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	6	1.1
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	11	1.1
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	2	1.1
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	2	1.1
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	10	1.1
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	15	1.1
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	5	1.09
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	5	1.09
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	4	1.09
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	4	1.09
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	4	1.09
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	4	1.09
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	4	1.09
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	4	1.09
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	4	1.09
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	4	1.09
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	4	1.09
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	4	1.09
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	4	1.09
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	4	1.09
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	1	1.09
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	1	1.09
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	1	1.09
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	1	1.09
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	2	1.09
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	2	1.09

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	2	1.09
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	2	1.09
(1,1630)	1:130:A:LEU:HD11	1:131:A:LYS:HA	17	1.09
(1,1630)	1:130:A:LEU:HD12	1:131:A:LYS:HA	17	1.09
(1,1630)	1:130:A:LEU:HD13	1:131:A:LYS:HA	17	1.09
(1,1630)	1:130:A:LEU:HD21	1:131:A:LYS:HA	17	1.09
(1,1630)	1:130:A:LEU:HD22	1:131:A:LYS:HA	17	1.09
(1,1630)	1:130:A:LEU:HD23	1:131:A:LYS:HA	17	1.09
(1,1439)	1:100:A:ARG:HG2	1:102:A:TRP:HA	3	1.09
(1,1439)	1:100:A:ARG:HG3	1:102:A:TRP:HA	3	1.09
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	13	1.09
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	13	1.09
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	13	1.09
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	13	1.09
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	3	1.09
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	3	1.09
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	16	1.09
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	16	1.09
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	16	1.09
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	16	1.09
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	16	1.09
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	16	1.09
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	5	1.09
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	14	1.09
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	5	1.09
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	5	1.09
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	5	1.09
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	9	1.09
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	9	1.09
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	9	1.09
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	16	1.09
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	8	1.09
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	8	1.09
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	8	1.09
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	8	1.09
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	9	1.09
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	9	1.09
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	9	1.09
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	9	1.09
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	8	1.09
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	7	1.09
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	19	1.09

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	8	1.09
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	20	1.09
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	20	1.09
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	20	1.09
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	16	1.09
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	16	1.09
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	16	1.09
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	16	1.09
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	16	1.09
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	16	1.09
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	20	1.09
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	20	1.09
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	18	1.09
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	18	1.09
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	18	1.09
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	19	1.08
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	19	1.08
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	19	1.08
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	19	1.08
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	19	1.08
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	19	1.08
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	20	1.08
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	20	1.08
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	2	1.08
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	2	1.08
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	4	1.08
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	4	1.08
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	4	1.08
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	4	1.08
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	3	1.08
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	3	1.08
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	3	1.08
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	3	1.08
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	3	1.08
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	3	1.08
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	17	1.08
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	17	1.08
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	17	1.08
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	7	1.08
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	14	1.08
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	14	1.08
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	14	1.08

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:130:A:LEU:HA	1:193:A:ARG:H	5	1.08
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	19	1.08
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	11	1.08
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	12	1.08
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	13	1.08
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	13	1.08
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	13	1.08
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	11	1.08
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	15	1.08
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	18	1.08
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	9	1.08
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	5	1.08
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	5	1.08
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	5	1.08
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	1	1.08
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	14	1.08
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	8	1.08
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	15	1.08
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	13	1.08
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	13	1.08
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	4	1.08
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	4	1.08
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	4	1.08
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	15	1.08
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	15	1.08
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	15	1.08
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	18	1.08
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	17	1.08
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	17	1.08
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	17	1.08
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	16	1.08
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	16	1.08
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	16	1.08
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	10	1.08
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	10	1.08
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	10	1.08
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	1	1.08
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	1	1.08
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	1	1.08
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	14	1.08
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	14	1.08
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	14	1.08

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	8	1.08
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG21	14	1.08
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG22	14	1.08
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG23	14	1.08
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG21	14	1.08
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG22	14	1.08
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG23	14	1.08
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	11	1.07
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	11	1.07
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	20	1.07
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	20	1.07
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	20	1.07
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	20	1.07
(1,1569)	1:121:A:GLN:H	1:121:A:GLN:HG2	4	1.07
(1,1569)	1:121:A:GLN:H	1:121:A:GLN:HG3	4	1.07
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	13	1.07
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	13	1.07
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	13	1.07
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	13	1.07
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	1	1.07
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	18	1.07
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	18	1.07
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	18	1.07
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	18	1.07
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	16	1.07
(1,999)	1:194:A:VAL:HG21	1:199:A:GLN:H	1	1.07
(1,999)	1:194:A:VAL:HG22	1:199:A:GLN:H	1	1.07
(1,999)	1:194:A:VAL:HG23	1:199:A:GLN:H	1	1.07
(1,980)	1:193:A:ARG:HB3	1:194:A:VAL:H	5	1.07
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	9	1.07
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	11	1.07
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	10	1.07
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	19	1.07
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	19	1.07
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	19	1.07
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	2	1.07
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	9	1.07
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	9	1.07
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	9	1.07
(1,807)	1:159:A:GLU:H	1:181:A:LEU:HD21	19	1.07
(1,807)	1:159:A:GLU:H	1:181:A:LEU:HD22	19	1.07
(1,807)	1:159:A:GLU:H	1:181:A:LEU:HD23	19	1.07

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,799)	1:119:A:MET:HB2	1:159:A:GLU:H	7	1.07
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	5	1.07
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	5	1.07
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	5	1.07
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	5	1.07
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	5	1.07
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	5	1.07
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	2	1.07
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	6	1.07
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	5	1.07
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	19	1.07
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	1	1.07
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	8	1.07
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	14	1.07
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	14	1.07
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	14	1.07
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	18	1.07
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	18	1.07
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	18	1.07
(1,355)	1:124:A:MET:HG3	1:188:A:ASN:HB3	14	1.07
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	9	1.07
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	9	1.07
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	18	1.07
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	18	1.07
(1,139)	1:129:A:ILE:HA	1:193:A:ARG:HD3	8	1.07
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	10	1.07
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	14	1.07
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	13	1.07
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	13	1.07
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	13	1.07
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	4	1.07
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	4	1.07
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	4	1.07
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	7	1.07
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	20	1.07
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG21	8	1.07
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG22	8	1.07
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG23	8	1.07
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG21	8	1.07
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG22	8	1.07
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG23	8	1.07
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG21	8	1.07

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG22	8	1.07
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG23	8	1.07
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD11	7	1.07
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD12	7	1.07
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD13	7	1.07
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD11	7	1.07
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD12	7	1.07
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD13	7	1.07
(1,1800)	1:199:A:GLN:HB2	1:203:A:TRP:HD1	15	1.06
(1,1800)	1:199:A:GLN:HB3	1:203:A:TRP:HD1	15	1.06
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	16	1.06
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	16	1.06
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	18	1.06
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	18	1.06
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	9	1.06
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	9	1.06
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	9	1.06
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	9	1.06
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	9	1.06
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	9	1.06
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	3	1.06
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	3	1.06
(1,1490)	1:108:A:LYS:HG2	1:109:A:GLN:H	13	1.06
(1,1490)	1:108:A:LYS:HG3	1:109:A:GLN:H	13	1.06
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	2	1.06
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	2	1.06
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	20	1.06
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	20	1.06
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	9	1.06
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	9	1.06
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	9	1.06
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	9	1.06
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	9	1.06
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	9	1.06
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	17	1.06
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB2	15	1.06
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB3	15	1.06
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	17	1.06
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	19	1.06
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	18	1.06
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	8	1.06
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	8	1.06

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	8	1.06
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	10	1.06
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG2	15	1.06
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG3	15	1.06
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	17	1.06
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	17	1.06
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	17	1.06
(1,998)	1:194:A:VAL:HG11	1:199:A:GLN:H	14	1.06
(1,998)	1:194:A:VAL:HG12	1:199:A:GLN:H	14	1.06
(1,998)	1:194:A:VAL:HG13	1:199:A:GLN:H	14	1.06
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	6	1.06
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	14	1.06
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	2	1.06
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	9	1.06
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	2	1.06
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	13	1.06
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	16	1.06
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	10	1.06
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	10	1.06
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	10	1.06
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	17	1.06
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	8	1.06
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	10	1.06
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	18	1.06
(1,643)	1:127:A:ASN:HD22	1:128:A:ILE:HA	5	1.06
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	11	1.06
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	14	1.06
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	14	1.06
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	14	1.06
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	10	1.06
(1,538)	1:109:A:GLN:HG2	1:110:A:LYS:H	4	1.06
(1,443)	1:88:A:ARG:HG3	1:89:A:TYR:H	1	1.06
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	13	1.06
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	13	1.06
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	13	1.06
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	10	1.06
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	10	1.06
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	10	1.06
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	9	1.06
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	9	1.06
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	9	1.06
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	5	1.06

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	5	1.06
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	12	1.06
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	12	1.06
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	8	1.06
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	8	1.06
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	8	1.06
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	17	1.06
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	17	1.06
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	17	1.06
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	5	1.06
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	5	1.06
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	5	1.06
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	20	1.06
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG21	7	1.06
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG22	7	1.06
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG23	7	1.06
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG21	7	1.06
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG22	7	1.06
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG23	7	1.06
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	2	1.06
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	2	1.06
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	2	1.06
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	2	1.06
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	2	1.06
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	2	1.06
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	6	1.06
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	17	1.06
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	6	1.06
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	9	1.06
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	9	1.06
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	9	1.06
(1,1781)	1:194:A:VAL:HG11	1:203:A:TRP:H	6	1.05
(1,1781)	1:194:A:VAL:HG12	1:203:A:TRP:H	6	1.05
(1,1781)	1:194:A:VAL:HG13	1:203:A:TRP:H	6	1.05
(1,1781)	1:194:A:VAL:HG21	1:203:A:TRP:H	6	1.05
(1,1781)	1:194:A:VAL:HG22	1:203:A:TRP:H	6	1.05
(1,1781)	1:194:A:VAL:HG23	1:203:A:TRP:H	6	1.05
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	19	1.05
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	19	1.05
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	19	1.05
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	19	1.05
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	13	1.05

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	13	1.05
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	13	1.05
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	13	1.05
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	13	1.05
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	13	1.05
(1,1631)	1:130:A:LEU:HD11	1:132:A:ALA:H	17	1.05
(1,1631)	1:130:A:LEU:HD12	1:132:A:ALA:H	17	1.05
(1,1631)	1:130:A:LEU:HD13	1:132:A:ALA:H	17	1.05
(1,1631)	1:130:A:LEU:HD21	1:132:A:ALA:H	17	1.05
(1,1631)	1:130:A:LEU:HD22	1:132:A:ALA:H	17	1.05
(1,1631)	1:130:A:LEU:HD23	1:132:A:ALA:H	17	1.05
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG12	8	1.05
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG13	8	1.05
(1,1569)	1:121:A:GLN:H	1:121:A:GLN:HG2	16	1.05
(1,1569)	1:121:A:GLN:H	1:121:A:GLN:HG3	16	1.05
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	7	1.05
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	7	1.05
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	7	1.05
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	7	1.05
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	7	1.05
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	7	1.05
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	7	1.05
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	7	1.05
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	7	1.05
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	7	1.05
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	7	1.05
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	7	1.05
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	7	1.05
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	7	1.05
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	7	1.05
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	7	1.05
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	7	1.05
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	7	1.05
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	16	1.05
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	16	1.05
(1,1442)	1:100:A:ARG:HD2	1:156:A:ILE:H	11	1.05
(1,1442)	1:100:A:ARG:HD3	1:156:A:ILE:H	11	1.05
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	16	1.05
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	16	1.05
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	16	1.05
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	16	1.05
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	16	1.05

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	16	1.05
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	19	1.05
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	19	1.05
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	19	1.05
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	19	1.05
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	19	1.05
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	19	1.05
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	20	1.05
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	20	1.05
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	20	1.05
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	20	1.05
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	20	1.05
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	20	1.05
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	8	1.05
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	8	1.05
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	16	1.05
(1,1201)	1:102:A:TRP:HZ2	1:149:A:ALA:H	5	1.05
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	12	1.05
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	12	1.05
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	12	1.05
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	19	1.05
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	10	1.05
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	10	1.05
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	10	1.05
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	17	1.05
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	1	1.05
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	14	1.05
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	14	1.05
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	14	1.05
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	1	1.05
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	1	1.05
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	1	1.05
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	9	1.05
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	5	1.05
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	5	1.05
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	5	1.05
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	17	1.05
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	8	1.05
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	15	1.05
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	15	1.05
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	15	1.05
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	19	1.05

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	19	1.05
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	19	1.05
(1,496)	1:100:A:ARG:H	1:100:A:ARG:HD3	13	1.05
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	7	1.05
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	4	1.05
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	4	1.05
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	4	1.05
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	7	1.05
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	7	1.05
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	7	1.05
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	14	1.05
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	1	1.05
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	2	1.05
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	3	1.05
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	20	1.05
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	2	1.04
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	2	1.04
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	9	1.04
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	9	1.04
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	8	1.04
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	8	1.04
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	8	1.04
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	8	1.04
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	8	1.04
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	8	1.04
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	7	1.04
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	7	1.04
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	7	1.04
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	7	1.04
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	7	1.04
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	7	1.04
(1,1490)	1:108:A:LYS:HG2	1:109:A:GLN:H	4	1.04
(1,1490)	1:108:A:LYS:HG3	1:109:A:GLN:H	4	1.04
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	18	1.04
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	18	1.04
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	18	1.04
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	18	1.04
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	18	1.04
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	18	1.04
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	13	1.04
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	13	1.04
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	13	1.04

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	13	1.04
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	13	1.04
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	13	1.04
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	19	1.04
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	19	1.04
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	19	1.04
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	19	1.04
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	19	1.04
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	19	1.04
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	9	1.04
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	4	1.04
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	12	1.04
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	14	1.04
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	20	1.04
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	11	1.04
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	18	1.04
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	4	1.04
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	4	1.04
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	10	1.04
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	12	1.04
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	3	1.04
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	11	1.04
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	5	1.04
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	19	1.04
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	3	1.04
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	4	1.04
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	11	1.04
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	3	1.04
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	3	1.04
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	3	1.04
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	5	1.04
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	5	1.04
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	5	1.04
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	2	1.04
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	6	1.04
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	19	1.04
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	8	1.04
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	9	1.04
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	16	1.04
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	16	1.04
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	10	1.04
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	10	1.04

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	10	1.04
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	11	1.04
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	11	1.04
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	11	1.04
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	9	1.04
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	9	1.04
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	9	1.04
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	20	1.04
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	20	1.04
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	20	1.04
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	7	1.04
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	7	1.04
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	7	1.04
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	7	1.04
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	7	1.04
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	7	1.04
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	11	1.04
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	11	1.04
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	11	1.04
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	11	1.04
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	14	1.03
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	14	1.03
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	14	1.03
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	14	1.03
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	14	1.03
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	14	1.03
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	11	1.03
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	11	1.03
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	11	1.03
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	11	1.03
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	11	1.03
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	11	1.03
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	11	1.03
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	11	1.03
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	11	1.03
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	11	1.03
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	11	1.03
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	11	1.03
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	12	1.03
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	12	1.03
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	12	1.03
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	12	1.03

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	12	1.03
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	12	1.03
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	17	1.03
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	17	1.03
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	17	1.03
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	17	1.03
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	17	1.03
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	17	1.03
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	1	1.03
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	1	1.03
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	1	1.03
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	1	1.03
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	5	1.03
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	5	1.03
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	5	1.03
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	5	1.03
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	5	1.03
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	5	1.03
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	6	1.03
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	12	1.03
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	1	1.03
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	7	1.03
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	7	1.03
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	7	1.03
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	1	1.03
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	13	1.03
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	13	1.03
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	13	1.03
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	6	1.03
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	6	1.03
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	6	1.03
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	9	1.03
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	9	1.03
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	9	1.03
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	3	1.03
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	3	1.03
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	3	1.03
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	5	1.03
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	9	1.03
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	14	1.03
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	11	1.03
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	7	1.03

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	7	1.03
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	7	1.03
(1,493)	1:98:A:MET:HG3	1:99:A:SER:H	17	1.03
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	12	1.03
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	10	1.03
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	16	1.03
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	16	1.03
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	16	1.03
(1,430)	1:137:A:ILE:H	1:142:A:GLU:H	20	1.03
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	13	1.03
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	3	1.03
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	3	1.03
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG2	6	1.03
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG3	6	1.03
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG2	6	1.03
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG3	6	1.03
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG2	6	1.03
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG3	6	1.03
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	14	1.03
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	14	1.03
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	14	1.03
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	1	1.03
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	1	1.03
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	1	1.03
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	1	1.03
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	1	1.03
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	1	1.03
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	1	1.03
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	1	1.03
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	1	1.03
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG21	3	1.03
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG22	3	1.03
(1,136)	1:128:A:ILE:HG21	1:129:A:ILE:HG23	3	1.03
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG21	3	1.03
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG22	3	1.03
(1,136)	1:128:A:ILE:HG22	1:129:A:ILE:HG23	3	1.03
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG21	3	1.03
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG22	3	1.03
(1,136)	1:128:A:ILE:HG23	1:129:A:ILE:HG23	3	1.03
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	20	1.03
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	20	1.03
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	20	1.03

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:106:A:MET:HG3	1:122:A:ALA:HA	12	1.03
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	19	1.02
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	19	1.02
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	19	1.02
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	19	1.02
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	19	1.02
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	19	1.02
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	3	1.02
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	3	1.02
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	3	1.02
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	3	1.02
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	3	1.02
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	3	1.02
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	12	1.02
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	12	1.02
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	12	1.02
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	12	1.02
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	12	1.02
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	12	1.02
(1,1693)	1:162:A:PRO:HG2	1:169:A:HIS:HE1	15	1.02
(1,1693)	1:162:A:PRO:HG3	1:169:A:HIS:HE1	15	1.02
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG11	11	1.02
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG12	11	1.02
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG13	11	1.02
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG21	11	1.02
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG22	11	1.02
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG23	11	1.02
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	8	1.02
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	8	1.02
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	8	1.02
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	8	1.02
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	8	1.02
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	8	1.02
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	14	1.02
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	14	1.02
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	14	1.02
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	14	1.02
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	14	1.02
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	14	1.02
(1,1569)	1:121:A:GLN:H	1:121:A:GLN:HG2	15	1.02
(1,1569)	1:121:A:GLN:H	1:121:A:GLN:HG3	15	1.02
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	18	1.02

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	18	1.02
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	12	1.02
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	12	1.02
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	6	1.02
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	6	1.02
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	6	1.02
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	6	1.02
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	9	1.02
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	9	1.02
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	9	1.02
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	9	1.02
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	9	1.02
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	9	1.02
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	17	1.02
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	17	1.02
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	17	1.02
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	17	1.02
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	17	1.02
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	17	1.02
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	1	1.02
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	1	1.02
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	1	1.02
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	1	1.02
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	1	1.02
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	1	1.02
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	2	1.02
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	2	1.02
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	2	1.02
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	2	1.02
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	2	1.02
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	2	1.02
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	18	1.02
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB2	20	1.02
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB3	20	1.02
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	1	1.02
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	11	1.02
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG2	4	1.02
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG3	4	1.02
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	18	1.02
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	12	1.02
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	2	1.02
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	12	1.02

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	15	1.02
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	5	1.02
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	18	1.02
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	3	1.02
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	20	1.02
(1,590)	1:121:A:GLN:H	1:121:A:GLN:HG3	4	1.02
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	20	1.02
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	20	1.02
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	20	1.02
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	17	1.02
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	17	1.02
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	17	1.02
(1,403)	1:194:A:VAL:HG11	1:203:A:TRP:HB2	7	1.02
(1,403)	1:194:A:VAL:HG12	1:203:A:TRP:HB2	7	1.02
(1,403)	1:194:A:VAL:HG13	1:203:A:TRP:HB2	7	1.02
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	2	1.02
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	2	1.02
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	2	1.02
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	10	1.02
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	10	1.02
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	7	1.02
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	7	1.02
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	7	1.02
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	16	1.02
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	16	1.02
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	16	1.02
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	18	1.02
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	18	1.02
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	18	1.02
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	18	1.02
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	18	1.02
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	18	1.02
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	6	1.02
(1,68)	1:106:A:MET:HG3	1:122:A:ALA:HA	11	1.02
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	5	1.02
(1,1800)	1:199:A:GLN:HB2	1:203:A:TRP:HD1	18	1.01
(1,1800)	1:199:A:GLN:HB3	1:203:A:TRP:HD1	18	1.01
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	19	1.01
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	19	1.01
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	19	1.01
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	19	1.01
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	19	1.01

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	19	1.01
(1,1691)	1:162:A:PRO:HB2	1:169:A:HIS:HE1	19	1.01
(1,1691)	1:162:A:PRO:HB3	1:169:A:HIS:HE1	19	1.01
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	2	1.01
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	2	1.01
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	13	1.01
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	13	1.01
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	13	1.01
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	13	1.01
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	12	1.01
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	12	1.01
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	13	1.01
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	13	1.01
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG21	9	1.01
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG22	9	1.01
(1,1388)	1:93:A:MET:HG2	1:94:A:THR:HG23	9	1.01
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG21	9	1.01
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG22	9	1.01
(1,1388)	1:93:A:MET:HG3	1:94:A:THR:HG23	9	1.01
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	7	1.01
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	7	1.01
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	7	1.01
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	7	1.01
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	7	1.01
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	7	1.01
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	11	1.01
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	11	1.01
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	11	1.01
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	11	1.01
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	11	1.01
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	11	1.01
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	10	1.01
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	10	1.01
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	10	1.01
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	10	1.01
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	10	1.01
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	10	1.01
(1,1305)	1:195:A:SER:H	1:199:A:GLN:HA	5	1.01
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	4	1.01
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	17	1.01
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	20	1.01
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	5	1.01

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	9	1.01
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG11	15	1.01
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG12	15	1.01
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG13	15	1.01
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	9	1.01
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	5	1.01
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	5	1.01
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	5	1.01
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	10	1.01
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	13	1.01
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	12	1.01
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	6	1.01
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	2	1.01
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	2	1.01
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	2	1.01
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	3	1.01
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	3	1.01
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	3	1.01
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	10	1.01
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	10	1.01
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	10	1.01
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	10	1.01
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	10	1.01
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	10	1.01
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	4	1.01
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	11	1.01
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	14	1.01
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	7	1.01
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	7	1.01
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	7	1.01
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	11	1.01
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	11	1.01
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	11	1.01
(1,590)	1:121:A:GLN:H	1:121:A:GLN:HG3	16	1.01
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	8	1.01
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	8	1.01
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	8	1.01
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	20	1.01
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	20	1.01
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	20	1.01
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	4	1.01
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	4	1.01

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	4	1.01
(1,487)	1:98:A:MET:H	1:98:A:MET:HG2	19	1.01
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	15	1.01
(1,411)	1:202:A:ALA:HB1	1:203:A:TRP:HE3	11	1.01
(1,411)	1:202:A:ALA:HB2	1:203:A:TRP:HE3	11	1.01
(1,411)	1:202:A:ALA:HB3	1:203:A:TRP:HE3	11	1.01
(1,355)	1:124:A:MET:HG3	1:188:A:ASN:HB3	10	1.01
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	8	1.01
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	8	1.01
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	2	1.01
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	2	1.01
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	2	1.01
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	9	1.01
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	9	1.01
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	9	1.01
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	12	1.01
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	12	1.01
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	12	1.01
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	2	1.01
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	2	1.01
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	2	1.01
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	12	1.01
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	12	1.01
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	12	1.01
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	6	1.01
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	6	1.01
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	6	1.01
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	17	1.01
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	17	1.01
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	17	1.01
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	3	1.01
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	13	1.01
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	16	1.01
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	10	1.0
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	10	1.0
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	14	1.0
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	14	1.0
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	14	1.0
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	14	1.0
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	14	1.0
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	14	1.0
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	14	1.0

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	14	1.0
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	14	1.0
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	14	1.0
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	14	1.0
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	14	1.0
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	14	1.0
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	14	1.0
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	14	1.0
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	14	1.0
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	14	1.0
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	14	1.0
(1,1442)	1:100:A:ARG:HD2	1:156:A:ILE:H	8	1.0
(1,1442)	1:100:A:ARG:HD3	1:156:A:ILE:H	8	1.0
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	19	1.0
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	19	1.0
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	19	1.0
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	19	1.0
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	20	1.0
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	20	1.0
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	20	1.0
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	20	1.0
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	19	1.0
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	19	1.0
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	19	1.0
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	19	1.0
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	20	1.0
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	20	1.0
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	20	1.0
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	20	1.0
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	16	1.0
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	16	1.0
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	16	1.0
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	16	1.0
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	16	1.0
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	16	1.0
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	8	1.0
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	12	1.0
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	5	1.0
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	14	1.0
(1,1142)	1:122:A:ALA:HA	1:124:A:MET:H	8	1.0
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	20	1.0
(1,977)	1:193:A:ARG:H	1:193:A:ARG:HD2	4	1.0

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	9	1.0
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	19	1.0
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	6	1.0
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	6	1.0
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	6	1.0
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	4	1.0
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	4	1.0
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	4	1.0
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	12	1.0
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	2	1.0
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	13	1.0
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	19	1.0
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	6	1.0
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	7	1.0
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	19	1.0
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	8	1.0
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	8	1.0
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	8	1.0
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	19	1.0
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	19	1.0
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	19	1.0
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	11	1.0
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	2	1.0
(1,496)	1:100:A:ARG:H	1:100:A:ARG:HD3	17	1.0
(1,487)	1:98:A:MET:H	1:98:A:MET:HG2	14	1.0
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	9	1.0
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	2	1.0
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	2	1.0
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	2	1.0
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	2	1.0
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	2	1.0
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	4	1.0
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	4	1.0
(1,302)	1:172:A:GLU:HG2	1:173:A:ASP:HA	14	1.0
(1,302)	1:172:A:GLU:HG3	1:173:A:ASP:HA	14	1.0
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	5	1.0
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	5	1.0
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	5	1.0
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	6	1.0
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	6	1.0
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	6	1.0
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	2	1.0

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	2	1.0
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	2	1.0
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	8	1.0
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	8	1.0
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	8	1.0
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	13	1.0
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	13	1.0
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	13	1.0
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	14	1.0
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	15	1.0
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	15	1.0
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	15	1.0
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	17	1.0
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	17	1.0
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	17	1.0
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	9	1.0
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	7	0.99
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	7	0.99
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	2	0.99
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	2	0.99
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	6	0.99
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	6	0.99
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	6	0.99
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	6	0.99
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	6	0.99
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	6	0.99
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB2	12	0.99
(1,1719)	1:175:A:LYS:H	1:176:A:ASN:HB3	12	0.99
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	4	0.99
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	4	0.99
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	4	0.99
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	4	0.99
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	4	0.99
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	4	0.99
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	15	0.99
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	15	0.99
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	17	0.99
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	17	0.99
(1,1443)	1:100:A:ARG:HD2	1:156:A:ILE:HD11	14	0.99
(1,1443)	1:100:A:ARG:HD2	1:156:A:ILE:HD12	14	0.99
(1,1443)	1:100:A:ARG:HD2	1:156:A:ILE:HD13	14	0.99
(1,1443)	1:100:A:ARG:HD3	1:156:A:ILE:HD11	14	0.99

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1443)	1:100:A:ARG:HD3	1:156:A:ILE:HD12	14	0.99
(1,1443)	1:100:A:ARG:HD3	1:156:A:ILE:HD13	14	0.99
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	7	0.99
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	7	0.99
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	7	0.99
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	7	0.99
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	7	0.99
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	7	0.99
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	6	0.99
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	6	0.99
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	6	0.99
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	6	0.99
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	6	0.99
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	6	0.99
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG11	7	0.99
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG12	7	0.99
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG13	7	0.99
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG21	7	0.99
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG22	7	0.99
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG23	7	0.99
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG11	7	0.99
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG12	7	0.99
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG13	7	0.99
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG21	7	0.99
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG22	7	0.99
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG23	7	0.99
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	3	0.99
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	3	0.99
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	3	0.99
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	12	0.99
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	12	0.99
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	12	0.99
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	12	0.99
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	12	0.99
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	12	0.99
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	3	0.99
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	15	0.99
(1,1292)	1:186:A:GLU:HA	1:191:A:THR:H	16	0.99
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	19	0.99
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	7	0.99
(1,977)	1:193:A:ARG:H	1:193:A:ARG:HD2	5	0.99
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	13	0.99

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	6	0.99
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	6	0.99
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	1	0.99
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	3	0.99
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	13	0.99
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	15	0.99
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	10	0.99
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	4	0.99
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	4	0.99
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	4	0.99
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	1	0.99
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	15	0.99
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	15	0.99
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	7	0.99
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	17	0.99
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	8	0.99
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	5	0.99
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	18	0.99
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	18	0.99
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	18	0.99
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	10	0.99
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	10	0.99
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	10	0.99
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	18	0.99
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	20	0.99
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	13	0.99
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	13	0.99
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	13	0.99
(1,496)	1:100:A:ARG:H	1:100:A:ARG:HD3	20	0.99
(1,488)	1:98:A:MET:H	1:98:A:MET:HG3	20	0.99
(1,487)	1:98:A:MET:H	1:98:A:MET:HG2	10	0.99
(1,487)	1:98:A:MET:H	1:98:A:MET:HG2	11	0.99
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	2	0.99
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	2	0.99
(1,401)	1:178:A:VAL:HG11	1:203:A:TRP:HA	18	0.99
(1,401)	1:178:A:VAL:HG12	1:203:A:TRP:HA	18	0.99
(1,401)	1:178:A:VAL:HG13	1:203:A:TRP:HA	18	0.99
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	11	0.99
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	11	0.99
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	11	0.99
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	1	0.99
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	1	0.99

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	1	0.99
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	14	0.99
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	14	0.99
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	14	0.99
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	14	0.99
(1,74)	1:110:A:LYS:HG2	1:111:A:VAL:H	6	0.99
(1,14)	1:146:A:LEU:HG	1:161:A:SER:HA	15	0.99
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	12	0.99
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	12	0.99
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	12	0.99
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	12	0.99
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	6	0.98
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	6	0.98
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	14	0.98
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	14	0.98
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	14	0.98
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	14	0.98
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	14	0.98
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	14	0.98
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	11	0.98
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	11	0.98
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	11	0.98
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	11	0.98
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	11	0.98
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	11	0.98
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	8	0.98
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	8	0.98
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	9	0.98
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	9	0.98
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	9	0.98
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	9	0.98
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	9	0.98
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	9	0.98
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	6	0.98
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	6	0.98
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	6	0.98
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	10	0.98
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	8	0.98
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	17	0.98
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	12	0.98
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	14	0.98
(1,998)	1:194:A:VAL:HG11	1:199:A:GLN:H	12	0.98

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,998)	1:194:A:VAL:HG12	1:199:A:GLN:H	12	0.98
(1,998)	1:194:A:VAL:HG13	1:199:A:GLN:H	12	0.98
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	4	0.98
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	4	0.98
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	16	0.98
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	6	0.98
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	7	0.98
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	8	0.98
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	18	0.98
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	17	0.98
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	17	0.98
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	17	0.98
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	20	0.98
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	8	0.98
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	8	0.98
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	8	0.98
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	20	0.98
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	20	0.98
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	20	0.98
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	9	0.98
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	7	0.98
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	7	0.98
(1,695)	1:137:A:ILE:H	1:139:A:ASP:HA	16	0.98
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	9	0.98
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	3	0.98
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	5	0.98
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	10	0.98
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	15	0.98
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	2	0.98
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	2	0.98
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	2	0.98
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG2	10	0.98
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG3	10	0.98
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG2	10	0.98
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG3	10	0.98
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG2	10	0.98
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG3	10	0.98
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	3	0.98
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	3	0.98
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	3	0.98
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	3	0.98
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	3	0.98

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	3	0.98
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	5	0.98
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	5	0.98
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	5	0.98
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	8	0.98
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	8	0.98
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	8	0.98
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	20	0.98
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	20	0.98
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	20	0.98
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	12	0.98
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	12	0.98
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	6	0.98
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	6	0.98
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	6	0.98
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	13	0.98
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	13	0.98
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	13	0.98
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	14	0.98
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	4	0.98
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	17	0.98
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	16	0.97
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	16	0.97
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	7	0.97
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	7	0.97
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	13	0.97
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	13	0.97
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	2	0.97
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	2	0.97
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	2	0.97
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	2	0.97
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	5	0.97
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	5	0.97
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	5	0.97
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	5	0.97
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	5	0.97
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	5	0.97
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	5	0.97
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	5	0.97
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	5	0.97
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	5	0.97
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	12	0.97

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	12	0.97
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	12	0.97
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	12	0.97
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	12	0.97
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	12	0.97
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	10	0.97
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	10	0.97
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	10	0.97
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	10	0.97
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	10	0.97
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	10	0.97
(1,1310)	1:90:A:LEU:HG	1:197:A:THR:H	4	0.97
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	8	0.97
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	4	0.97
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	14	0.97
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	16	0.97
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	19	0.97
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	18	0.97
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	17	0.97
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	4	0.97
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	4	0.97
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	8	0.97
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	19	0.97
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	16	0.97
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	16	0.97
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	11	0.97
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	18	0.97
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	6	0.97
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	10	0.97
(1,488)	1:98:A:MET:H	1:98:A:MET:HG3	3	0.97
(1,487)	1:98:A:MET:H	1:98:A:MET:HG2	3	0.97
(1,487)	1:98:A:MET:H	1:98:A:MET:HG2	6	0.97
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	14	0.97
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	17	0.97
(1,443)	1:88:A:ARG:HG3	1:89:A:TYR:H	15	0.97
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	3	0.97
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	3	0.97
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	3	0.97
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	14	0.97
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	11	0.97
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	3	0.97
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	14	0.97

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	17	0.97
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	17	0.97
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	17	0.97
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	14	0.97
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	14	0.97
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	14	0.97
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	8	0.97
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	8	0.97
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	11	0.97
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	18	0.97
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	14	0.97
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	14	0.97
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	14	0.97
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	14	0.97
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG21	15	0.97
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG22	15	0.97
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG23	15	0.97
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG21	15	0.97
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG22	15	0.97
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG23	15	0.97
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	4	0.96
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	4	0.96
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	10	0.96
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	10	0.96
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	10	0.96
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	10	0.96
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	10	0.96
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	10	0.96
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	17	0.96
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	17	0.96
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	17	0.96
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	17	0.96
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	17	0.96
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	17	0.96
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG11	10	0.96
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG12	10	0.96
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG13	10	0.96
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG21	10	0.96
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG22	10	0.96
(1,1721)	1:176:A:ASN:H	1:180:A:VAL:HG23	10	0.96
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	17	0.96
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	17	0.96

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	17	0.96
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	17	0.96
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG12	1	0.96
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG13	1	0.96
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	8	0.96
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	8	0.96
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	8	0.96
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	8	0.96
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	8	0.96
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	8	0.96
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	17	0.96
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	17	0.96
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	17	0.96
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	17	0.96
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	1	0.96
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	1	0.96
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	9	0.96
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	9	0.96
(1,1375)	1:90:A:LEU:HD11	1:197:A:THR:HB	15	0.96
(1,1375)	1:90:A:LEU:HD12	1:197:A:THR:HB	15	0.96
(1,1375)	1:90:A:LEU:HD13	1:197:A:THR:HB	15	0.96
(1,1375)	1:90:A:LEU:HD21	1:197:A:THR:HB	15	0.96
(1,1375)	1:90:A:LEU:HD22	1:197:A:THR:HB	15	0.96
(1,1375)	1:90:A:LEU:HD23	1:197:A:THR:HB	15	0.96
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	4	0.96
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	4	0.96
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	4	0.96
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	4	0.96
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	4	0.96
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	4	0.96
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	5	0.96
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	19	0.96
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	19	0.96
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	19	0.96
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	5	0.96
(1,998)	1:194:A:VAL:HG11	1:199:A:GLN:H	16	0.96
(1,998)	1:194:A:VAL:HG12	1:199:A:GLN:H	16	0.96
(1,998)	1:194:A:VAL:HG13	1:199:A:GLN:H	16	0.96
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	19	0.96
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	20	0.96
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	4	0.96
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	10	0.96

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	15	0.96
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	12	0.96
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	19	0.96
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	11	0.96
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	8	0.96
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	8	0.96
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	8	0.96
(1,669)	1:132:A:ALA:H	1:134:A:PHE:HD1	14	0.96
(1,669)	1:132:A:ALA:H	1:134:A:PHE:HD2	14	0.96
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	20	0.96
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	5	0.96
(1,638)	1:127:A:ASN:H	1:152:A:GLU:HG2	16	0.96
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	7	0.96
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	7	0.96
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	7	0.96
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	10	0.96
(1,496)	1:100:A:ARG:H	1:100:A:ARG:HD3	6	0.96
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	4	0.96
(1,418)	1:178:A:VAL:HG11	1:203:A:TRP:HZ3	12	0.96
(1,418)	1:178:A:VAL:HG12	1:203:A:TRP:HZ3	12	0.96
(1,418)	1:178:A:VAL:HG13	1:203:A:TRP:HZ3	12	0.96
(1,404)	1:194:A:VAL:HG21	1:203:A:TRP:HB2	16	0.96
(1,404)	1:194:A:VAL:HG22	1:203:A:TRP:HB2	16	0.96
(1,404)	1:194:A:VAL:HG23	1:203:A:TRP:HB2	16	0.96
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	9	0.96
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	9	0.96
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	9	0.96
(1,355)	1:124:A:MET:HG3	1:188:A:ASN:HB3	3	0.96
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	11	0.96
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	11	0.96
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	11	0.96
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	20	0.96
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	20	0.96
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	20	0.96
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	12	0.96
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	15	0.96
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG2	15	0.96
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG3	15	0.96
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	9	0.95
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	9	0.95
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	11	0.95
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	11	0.95

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	1	0.95
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	1	0.95
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	1	0.95
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	1	0.95
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	1	0.95
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	1	0.95
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	1	0.95
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	1	0.95
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	1	0.95
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	1	0.95
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	1	0.95
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	1	0.95
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	1	0.95
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	1	0.95
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	1	0.95
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	1	0.95
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	1	0.95
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	1	0.95
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	1	0.95
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	1	0.95
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	15	0.95
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	15	0.95
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG2	13	0.95
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG3	13	0.95
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	15	0.95
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	15	0.95
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	15	0.95
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	15	0.95
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	15	0.95
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	15	0.95
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG2	19	0.95
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG3	19	0.95
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	11	0.95
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	11	0.95
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	11	0.95
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	11	0.95
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	11	0.95
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	11	0.95
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	5	0.95
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	5	0.95
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	5	0.95
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	5	0.95

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	5	0.95
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	5	0.95
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	11	0.95
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	11	0.95
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	11	0.95
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	11	0.95
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	11	0.95
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	11	0.95
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	8	0.95
(1,1113)	1:110:A:LYS:HG3	1:111:A:VAL:H	6	0.95
(1,1109)	1:109:A:GLN:HG3	1:110:A:LYS:H	2	0.95
(1,1109)	1:109:A:GLN:HG3	1:110:A:LYS:H	8	0.95
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	15	0.95
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	1	0.95
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	8	0.95
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	12	0.95
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	14	0.95
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	1	0.95
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	1	0.95
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	1	0.95
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	6	0.95
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	6	0.95
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	6	0.95
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	5	0.95
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	5	0.95
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	5	0.95
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	9	0.95
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	7	0.95
(1,676)	1:91:A:THR:HG21	1:134:A:PHE:H	1	0.95
(1,676)	1:91:A:THR:HG22	1:134:A:PHE:H	1	0.95
(1,676)	1:91:A:THR:HG23	1:134:A:PHE:H	1	0.95
(1,660)	1:129:A:ILE:HB	1:130:A:LEU:H	6	0.95
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	17	0.95
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	17	0.95
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	17	0.95
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	10	0.95
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	1	0.95
(1,590)	1:121:A:GLN:H	1:121:A:GLN:HG3	15	0.95
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	2	0.95
(1,488)	1:98:A:MET:H	1:98:A:MET:HG3	6	0.95
(1,488)	1:98:A:MET:H	1:98:A:MET:HG3	19	0.95
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	9	0.95

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	4	0.95
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	4	0.95
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	4	0.95
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	4	0.95
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	4	0.95
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	4	0.95
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	12	0.95
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	10	0.95
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	5	0.95
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD11	18	0.95
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD12	18	0.95
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD13	18	0.95
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD11	18	0.95
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD12	18	0.95
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD13	18	0.95
(1,1781)	1:194:A:VAL:HG11	1:203:A:TRP:H	18	0.94
(1,1781)	1:194:A:VAL:HG12	1:203:A:TRP:H	18	0.94
(1,1781)	1:194:A:VAL:HG13	1:203:A:TRP:H	18	0.94
(1,1781)	1:194:A:VAL:HG21	1:203:A:TRP:H	18	0.94
(1,1781)	1:194:A:VAL:HG22	1:203:A:TRP:H	18	0.94
(1,1781)	1:194:A:VAL:HG23	1:203:A:TRP:H	18	0.94
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	11	0.94
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	11	0.94
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	11	0.94
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	11	0.94
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	11	0.94
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	11	0.94
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	15	0.94
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	15	0.94
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	15	0.94
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	15	0.94
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	15	0.94
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	15	0.94
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	3	0.94
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	3	0.94
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	3	0.94
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	3	0.94
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	3	0.94
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	3	0.94
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG2	3	0.94
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG3	3	0.94
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG2	14	0.94

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG3	14	0.94
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG2	20	0.94
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG3	20	0.94
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	8	0.94
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	8	0.94
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	8	0.94
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	8	0.94
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	8	0.94
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	8	0.94
(1,1331)	1:178:A:VAL:HB	1:203:A:TRP:HE3	5	0.94
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	8	0.94
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	19	0.94
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	19	0.94
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	19	0.94
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	1	0.94
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	6	0.94
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	1	0.94
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	4	0.94
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	4	0.94
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	7	0.94
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	14	0.94
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	14	0.94
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	14	0.94
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	2	0.94
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	16	0.94
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	15	0.94
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	14	0.94
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	16	0.94
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	1	0.94
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	1	0.94
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	19	0.94
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	19	0.94
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	19	0.94
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	19	0.94
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	19	0.94
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	19	0.94
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	13	0.94
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	14	0.94
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	9	0.94
(1,496)	1:100:A:ARG:H	1:100:A:ARG:HD3	19	0.94
(1,493)	1:98:A:MET:HG3	1:99:A:SER:H	10	0.94
(1,492)	1:98:A:MET:HG2	1:99:A:SER:H	15	0.94

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,488)	1:98:A:MET:H	1:98:A:MET:HG3	14	0.94
(1,487)	1:98:A:MET:H	1:98:A:MET:HG2	20	0.94
(1,408)	1:199:A:GLN:HA	1:203:A:TRP:HD1	9	0.94
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	18	0.94
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	20	0.94
(1,303)	1:115:A:LEU:HG	1:174:A:VAL:HA	8	0.94
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	18	0.94
(1,14)	1:146:A:LEU:HG	1:161:A:SER:HA	7	0.94
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	14	0.93
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	14	0.93
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	2	0.93
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	2	0.93
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	2	0.93
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	2	0.93
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	2	0.93
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	2	0.93
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	11	0.93
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	11	0.93
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	11	0.93
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	11	0.93
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	11	0.93
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	11	0.93
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	13	0.93
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	13	0.93
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	13	0.93
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	13	0.93
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	13	0.93
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	13	0.93
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG2	20	0.93
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG3	20	0.93
(1,1424)	1:98:A:MET:HG2	1:100:A:ARG:H	17	0.93
(1,1424)	1:98:A:MET:HG3	1:100:A:ARG:H	17	0.93
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG2	6	0.93
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG3	6	0.93
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	5	0.93
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	5	0.93
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	5	0.93
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	5	0.93
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	20	0.93
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	20	0.93
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	1	0.93
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	1	0.93

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	14	0.93
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	14	0.93
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	3	0.93
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	3	0.93
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	3	0.93
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	3	0.93
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	3	0.93
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	3	0.93
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	6	0.93
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	6	0.93
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	6	0.93
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	6	0.93
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	6	0.93
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	6	0.93
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	2	0.93
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	2	0.93
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	2	0.93
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	2	0.93
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	2	0.93
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	2	0.93
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	4	0.93
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	4	0.93
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	4	0.93
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	4	0.93
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	4	0.93
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	4	0.93
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	7	0.93
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	7	0.93
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	12	0.93
(1,1182)	1:136:A:VAL:HB	1:137:A:ILE:H	5	0.93
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	7	0.93
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	7	0.93
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	15	0.93
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	20	0.93
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	16	0.93
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	3	0.93
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	3	0.93
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	3	0.93
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	1	0.93
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	1	0.93
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	1	0.93
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	7	0.93

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	7	0.93
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	2	0.93
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	2	0.93
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	12	0.93
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	12	0.93
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	12	0.93
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	9	0.93
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	4	0.93
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	2	0.93
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	2	0.93
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	2	0.93
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	12	0.93
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	16	0.93
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	3	0.93
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	3	0.93
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	3	0.93
(1,443)	1:88:A:ARG:HG3	1:89:A:TYR:H	3	0.93
(1,443)	1:88:A:ARG:HG3	1:89:A:TYR:H	18	0.93
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	1	0.93
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	1	0.93
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	1	0.93
(1,408)	1:199:A:GLN:HA	1:203:A:TRP:HD1	7	0.93
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	11	0.93
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	9	0.93
(1,312)	1:160:A:ILE:HG21	1:177:A:ALA:HA	13	0.93
(1,312)	1:160:A:ILE:HG22	1:177:A:ALA:HA	13	0.93
(1,312)	1:160:A:ILE:HG23	1:177:A:ALA:HA	13	0.93
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	20	0.93
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	20	0.93
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	20	0.93
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	3	0.93
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	1	0.93
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	13	0.93
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	13	0.93
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	13	0.93
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	6	0.92
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	6	0.92
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	6	0.92
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	6	0.92
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	6	0.92
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	6	0.92
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	13	0.92

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	13	0.92
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	13	0.92
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	13	0.92
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	13	0.92
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	13	0.92
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	3	0.92
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	3	0.92
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	3	0.92
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	3	0.92
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	18	0.92
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	18	0.92
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	4	0.92
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	4	0.92
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	5	0.92
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	5	0.92
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	3	0.92
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	3	0.92
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	11	0.92
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	11	0.92
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	11	0.92
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	11	0.92
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	3	0.92
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	3	0.92
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	3	0.92
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	3	0.92
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	15	0.92
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	15	0.92
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	15	0.92
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	15	0.92
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	15	0.92
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	15	0.92
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	15	0.92
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	15	0.92
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	15	0.92
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	15	0.92
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	15	0.92
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	15	0.92
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	6	0.92
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	6	0.92
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	6	0.92
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	6	0.92
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	6	0.92

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	6	0.92
(1,1340)	1:134:A:PHE:HE1	1:201:A:PHE:HD1	20	0.92
(1,1340)	1:134:A:PHE:HE1	1:201:A:PHE:HD2	20	0.92
(1,1340)	1:134:A:PHE:HE2	1:201:A:PHE:HD1	20	0.92
(1,1340)	1:134:A:PHE:HE2	1:201:A:PHE:HD2	20	0.92
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	13	0.92
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	13	0.92
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	13	0.92
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	16	0.92
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	3	0.92
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	14	0.92
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	12	0.92
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	20	0.92
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	3	0.92
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	13	0.92
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	7	0.92
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	5	0.92
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	5	0.92
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	18	0.92
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	18	0.92
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	16	0.92
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	12	0.92
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	6	0.92
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	6	0.92
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	6	0.92
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	1	0.92
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	14	0.92
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	16	0.92
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	11	0.92
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	4	0.92
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	1	0.92
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	9	0.92
(1,493)	1:98:A:MET:HG3	1:99:A:SER:H	18	0.92
(1,492)	1:98:A:MET:HG2	1:99:A:SER:H	16	0.92
(1,443)	1:88:A:ARG:HG3	1:89:A:TYR:H	11	0.92
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	7	0.92
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	18	0.92
(1,354)	1:124:A:MET:HG2	1:188:A:ASN:HB3	13	0.92
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	5	0.92
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	5	0.92
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	5	0.92
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	3	0.92

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	3	0.92
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	8	0.92
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	8	0.92
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	8	0.92
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	16	0.92
(1,92)	1:117:A:ILE:HD11	1:162:A:PRO:HA	10	0.92
(1,92)	1:117:A:ILE:HD12	1:162:A:PRO:HA	10	0.92
(1,92)	1:117:A:ILE:HD13	1:162:A:PRO:HA	10	0.92
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	3	0.92
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	12	0.92
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	4	0.91
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	4	0.91
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	15	0.91
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	15	0.91
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	6	0.91
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	6	0.91
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	6	0.91
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	6	0.91
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	6	0.91
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	6	0.91
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	13	0.91
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	13	0.91
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	13	0.91
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	13	0.91
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	13	0.91
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	13	0.91
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	20	0.91
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	20	0.91
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	12	0.91
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	12	0.91
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	12	0.91
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	12	0.91
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	12	0.91
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	12	0.91
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	12	0.91
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	12	0.91
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	9	0.91
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	9	0.91
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	9	0.91
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	9	0.91
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	10	0.91
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	10	0.91

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	10	0.91
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	10	0.91
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG2	10	0.91
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG3	10	0.91
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	4	0.91
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	4	0.91
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	11	0.91
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	2	0.91
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	13	0.91
(1,1193)	1:144:A:LEU:HD11	1:147:A:LEU:H	5	0.91
(1,1193)	1:144:A:LEU:HD12	1:147:A:LEU:H	5	0.91
(1,1193)	1:144:A:LEU:HD13	1:147:A:LEU:H	5	0.91
(1,1193)	1:144:A:LEU:HD21	1:147:A:LEU:H	5	0.91
(1,1193)	1:144:A:LEU:HD22	1:147:A:LEU:H	5	0.91
(1,1193)	1:144:A:LEU:HD23	1:147:A:LEU:H	5	0.91
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	7	0.91
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	7	0.91
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	7	0.91
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	20	0.91
(1,1109)	1:109:A:GLN:HG3	1:110:A:LYS:H	4	0.91
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	15	0.91
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	14	0.91
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	14	0.91
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	14	0.91
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	9	0.91
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	7	0.91
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	20	0.91
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	11	0.91
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	4	0.91
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	11	0.91
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	11	0.91
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	11	0.91
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	15	0.91
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	15	0.91
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	15	0.91
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	16	0.91
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	16	0.91
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	16	0.91
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	6	0.91
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	17	0.91
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	17	0.91
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	17	0.91

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	15	0.91
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	20	0.91
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	19	0.91
(1,676)	1:91:A:THR:HG21	1:134:A:PHE:H	4	0.91
(1,676)	1:91:A:THR:HG22	1:134:A:PHE:H	4	0.91
(1,676)	1:91:A:THR:HG23	1:134:A:PHE:H	4	0.91
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	5	0.91
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	7	0.91
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	14	0.91
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	13	0.91
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	5	0.91
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	5	0.91
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	5	0.91
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	9	0.91
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	9	0.91
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	9	0.91
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	9	0.91
(1,403)	1:194:A:VAL:HG11	1:203:A:TRP:HB2	15	0.91
(1,403)	1:194:A:VAL:HG12	1:203:A:TRP:HB2	15	0.91
(1,403)	1:194:A:VAL:HG13	1:203:A:TRP:HB2	15	0.91
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB1	12	0.91
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB2	12	0.91
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB3	12	0.91
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	14	0.91
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG11	5	0.91
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG12	5	0.91
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG13	5	0.91
(1,303)	1:115:A:LEU:HG	1:174:A:VAL:HA	4	0.91
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	6	0.91
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	6	0.91
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	6	0.91
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	15	0.91
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	15	0.91
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	15	0.91
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	15	0.91
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	15	0.91
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	15	0.91
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	1	0.91
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	1	0.91
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	4	0.91
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	4	0.91
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	4	0.91

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	10	0.91
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	10	0.91
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	14	0.91
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	14	0.91
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG21	11	0.91
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG22	11	0.91
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG23	11	0.91
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG21	11	0.91
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG22	11	0.91
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG23	11	0.91
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	15	0.91
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	15	0.91
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	15	0.91
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	15	0.91
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	15	0.91
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	15	0.91
(1,160)	1:93:A:MET:HE1	1:133:A:ASN:HB3	18	0.91
(1,160)	1:93:A:MET:HE2	1:133:A:ASN:HB3	18	0.91
(1,160)	1:93:A:MET:HE3	1:133:A:ASN:HB3	18	0.91
(1,148)	1:130:A:LEU:HG	1:194:A:VAL:HA	1	0.91
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	15	0.91
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	9	0.91
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	11	0.91
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	2	0.91
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	6	0.9
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	6	0.9
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	6	0.9
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	6	0.9
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	6	0.9
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	6	0.9
(1,1471)	1:105:A:LEU:HD11	1:122:A:ALA:H	15	0.9
(1,1471)	1:105:A:LEU:HD12	1:122:A:ALA:H	15	0.9
(1,1471)	1:105:A:LEU:HD13	1:122:A:ALA:H	15	0.9
(1,1471)	1:105:A:LEU:HD21	1:122:A:ALA:H	15	0.9
(1,1471)	1:105:A:LEU:HD22	1:122:A:ALA:H	15	0.9
(1,1471)	1:105:A:LEU:HD23	1:122:A:ALA:H	15	0.9
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG2	11	0.9
(1,1420)	1:98:A:MET:H	1:98:A:MET:HG3	11	0.9
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	14	0.9
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	14	0.9
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	12	0.9
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	12	0.9

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	12	0.9
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	12	0.9
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	12	0.9
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	12	0.9
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	2	0.9
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	5	0.9
(1,1182)	1:136:A:VAL:HB	1:137:A:ILE:H	12	0.9
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	18	0.9
(1,1050)	1:137:A:ILE:HA	1:140:A:ARG:H	15	0.9
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG2	1	0.9
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG3	1	0.9
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	3	0.9
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	20	0.9
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	5	0.9
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	4	0.9
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	18	0.9
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	3	0.9
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	4	0.9
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	4	0.9
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	12	0.9
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	2	0.9
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	13	0.9
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	5	0.9
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	15	0.9
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	13	0.9
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	13	0.9
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	11	0.9
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	1	0.9
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	1	0.9
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	1	0.9
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	17	0.9
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	17	0.9
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	17	0.9
(1,496)	1:100:A:ARG:H	1:100:A:ARG:HD3	1	0.9
(1,496)	1:100:A:ARG:H	1:100:A:ARG:HD3	4	0.9
(1,488)	1:98:A:MET:H	1:98:A:MET:HG3	10	0.9
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	20	0.9
(1,443)	1:88:A:ARG:HG3	1:89:A:TYR:H	9	0.9
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	5	0.9
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	3	0.9
(1,354)	1:124:A:MET:HG2	1:188:A:ASN:HB3	20	0.9
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	9	0.9

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	9	0.9
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	9	0.9
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	19	0.9
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	19	0.9
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	19	0.9
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	5	0.9
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	5	0.9
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	9	0.9
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	20	0.9
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	8	0.9
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	9	0.9
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	12	0.9
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	13	0.9
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	12	0.9
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	12	0.9
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	12	0.9
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	8	0.89
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	8	0.89
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	8	0.89
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	8	0.89
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	8	0.89
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	8	0.89
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	16	0.89
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	16	0.89
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	9	0.89
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	9	0.89
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	14	0.89
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	14	0.89
(1,1442)	1:100:A:ARG:HD2	1:156:A:ILE:H	18	0.89
(1,1442)	1:100:A:ARG:HD3	1:156:A:ILE:H	18	0.89
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	20	0.89
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	20	0.89
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	13	0.89
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	13	0.89
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	13	0.89
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	13	0.89
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG2	20	0.89
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG3	20	0.89
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG2	20	0.89
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG3	20	0.89
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	20	0.89
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	20	0.89

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	20	0.89
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	20	0.89
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	20	0.89
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	20	0.89
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	16	0.89
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	16	0.89
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	16	0.89
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	16	0.89
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	16	0.89
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	16	0.89
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	18	0.89
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	18	0.89
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	18	0.89
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	18	0.89
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	18	0.89
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	18	0.89
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	3	0.89
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	10	0.89
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	1	0.89
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	14	0.89
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	14	0.89
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	14	0.89
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	17	0.89
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	17	0.89
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	17	0.89
(1,945)	1:189:A:ASP:H	1:190:A:ASN:HA	5	0.89
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	18	0.89
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	9	0.89
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	9	0.89
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	9	0.89
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	12	0.89
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	10	0.89
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	10	0.89
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	10	0.89
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	2	0.89
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	11	0.89
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	15	0.89
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	1	0.89
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	1	0.89
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	1	0.89
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	1	0.89
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	1	0.89

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	1	0.89
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	17	0.89
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	17	0.89
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	17	0.89
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	17	0.89
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	17	0.89
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	17	0.89
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	7	0.89
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG21	17	0.89
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG22	17	0.89
(1,644)	1:127:A:ASN:HD22	1:151:A:THR:HG23	17	0.89
(1,537)	1:108:A:LYS:HG2	1:109:A:GLN:H	4	0.89
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	4	0.89
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	7	0.89
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	19	0.89
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	14	0.89
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	14	0.89
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	14	0.89
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	12	0.89
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	12	0.89
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	4	0.89
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	7	0.89
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	6	0.89
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	6	0.89
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	6	0.89
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	19	0.89
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	10	0.88
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	10	0.88
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	9	0.88
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	9	0.88
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	9	0.88
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	9	0.88
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	9	0.88
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	9	0.88
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	16	0.88
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	16	0.88
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	16	0.88
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	16	0.88
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	16	0.88
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	16	0.88
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	3	0.88
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	3	0.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	3	0.88
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	3	0.88
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	3	0.88
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	3	0.88
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	8	0.88
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	8	0.88
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	8	0.88
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	8	0.88
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	8	0.88
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	8	0.88
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	12	0.88
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	12	0.88
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	5	0.88
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	5	0.88
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	5	0.88
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	5	0.88
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG11	15	0.88
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG12	15	0.88
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG13	15	0.88
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG21	15	0.88
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG22	15	0.88
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG23	15	0.88
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	7	0.88
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	7	0.88
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	3	0.88
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	3	0.88
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	3	0.88
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	3	0.88
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	3	0.88
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	3	0.88
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	3	0.88
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	3	0.88
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	3	0.88
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	3	0.88
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	3	0.88
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	3	0.88
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	3	0.88
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	3	0.88
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	3	0.88
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	3	0.88
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	3	0.88
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	3	0.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	12	0.88
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	12	0.88
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	17	0.88
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	17	0.88
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	12	0.88
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	12	0.88
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	12	0.88
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	12	0.88
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	12	0.88
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	12	0.88
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	18	0.88
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	18	0.88
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	18	0.88
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	18	0.88
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	18	0.88
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	18	0.88
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	15	0.88
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	15	0.88
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	15	0.88
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	15	0.88
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	15	0.88
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	15	0.88
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	17	0.88
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	17	0.88
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	17	0.88
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	17	0.88
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	17	0.88
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	17	0.88
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	18	0.88
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	18	0.88
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	18	0.88
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	18	0.88
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	18	0.88
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	18	0.88
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	12	0.88
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	12	0.88
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	12	0.88
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	9	0.88
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	6	0.88
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	6	0.88
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	6	0.88
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	9	0.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	9	0.88
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	9	0.88
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD21	19	0.88
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD22	19	0.88
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD23	19	0.88
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	5	0.88
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	5	0.88
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	5	0.88
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	18	0.88
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	18	0.88
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	18	0.88
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	9	0.88
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	12	0.88
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	14	0.88
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	5	0.88
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	9	0.88
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	10	0.88
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	10	0.88
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	10	0.88
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	13	0.88
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	13	0.88
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	13	0.88
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	3	0.88
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	8	0.88
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	17	0.88
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	1	0.88
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	9	0.88
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	5	0.88
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	5	0.88
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	5	0.88
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	18	0.88
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	18	0.88
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	18	0.88
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	18	0.88
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	18	0.88
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	18	0.88
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	18	0.88
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	10	0.88
(1,630)	1:123:A:ILE:HG21	1:127:A:ASN:H	15	0.88
(1,630)	1:123:A:ILE:HG22	1:127:A:ASN:H	15	0.88
(1,630)	1:123:A:ILE:HG23	1:127:A:ASN:H	15	0.88
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	17	0.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	13	0.88
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	13	0.88
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	13	0.88
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	7	0.88
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	15	0.88
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	1	0.88
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	12	0.88
(1,594)	1:106:A:MET:HA	1:122:A:ALA:H	16	0.88
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	4	0.88
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	19	0.88
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	14	0.88
(1,493)	1:98:A:MET:HG3	1:99:A:SER:H	14	0.88
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	14	0.88
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	14	0.88
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	14	0.88
(1,401)	1:178:A:VAL:HG11	1:203:A:TRP:HA	9	0.88
(1,401)	1:178:A:VAL:HG12	1:203:A:TRP:HA	9	0.88
(1,401)	1:178:A:VAL:HG13	1:203:A:TRP:HA	9	0.88
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	7	0.88
(1,354)	1:124:A:MET:HG2	1:188:A:ASN:HB3	14	0.88
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	4	0.88
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	4	0.88
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	4	0.88
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	4	0.88
(1,320)	1:178:A:VAL:HG21	1:203:A:TRP:HB2	15	0.88
(1,320)	1:178:A:VAL:HG22	1:203:A:TRP:HB2	15	0.88
(1,320)	1:178:A:VAL:HG23	1:203:A:TRP:HB2	15	0.88
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	8	0.88
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	8	0.88
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	8	0.88
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	8	0.88
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	8	0.88
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	8	0.88
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	16	0.88
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	16	0.88
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	16	0.88
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	2	0.88
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	2	0.88
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	2	0.88
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	10	0.88
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	1	0.88
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	6	0.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	16	0.88
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	16	0.88
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	16	0.88
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	16	0.88
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	6	0.87
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	6	0.87
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	6	0.87
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	6	0.87
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	6	0.87
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	6	0.87
(1,1708)	1:171:A:ASP:HB2	1:175:A:LYS:HB2	7	0.87
(1,1708)	1:171:A:ASP:HB2	1:175:A:LYS:HB3	7	0.87
(1,1708)	1:171:A:ASP:HB3	1:175:A:LYS:HB2	7	0.87
(1,1708)	1:171:A:ASP:HB3	1:175:A:LYS:HB3	7	0.87
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	7	0.87
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	7	0.87
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	5	0.87
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	5	0.87
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	5	0.87
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	5	0.87
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	5	0.87
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	5	0.87
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG11	10	0.87
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG12	10	0.87
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG13	10	0.87
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG21	10	0.87
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG22	10	0.87
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG23	10	0.87
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG2	6	0.87
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG3	6	0.87
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	10	0.87
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	10	0.87
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	10	0.87
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	10	0.87
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	10	0.87
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	10	0.87
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	17	0.87
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	17	0.87
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	17	0.87
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	17	0.87
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	17	0.87
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	17	0.87

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	10	0.87
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	13	0.87
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	8	0.87
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	8	0.87
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	8	0.87
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	11	0.87
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	1	0.87
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	5	0.87
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	3	0.87
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	11	0.87
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	5	0.87
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	8	0.87
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	6	0.87
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	17	0.87
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	12	0.87
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	12	0.87
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	12	0.87
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	12	0.87
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	20	0.87
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	4	0.87
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	8	0.87
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	8	0.87
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	8	0.87
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	1	0.87
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	17	0.87
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	14	0.87
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	9	0.87
(1,421)	1:169:A:HIS:HE1	1:174:A:VAL:HB	18	0.87
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	20	0.87
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	20	0.87
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	20	0.87
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	9	0.87
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	9	0.87
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	9	0.87
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	11	0.87
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	11	0.87
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	11	0.87
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	11	0.87
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	11	0.87
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	11	0.87
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	4	0.87
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	4	0.87

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	8	0.87
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	17	0.87
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	14	0.87
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	14	0.87
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	14	0.87
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	19	0.87
(1,175)	1:87:A:SER:HB2	1:136:A:VAL:H	9	0.87
(1,175)	1:87:A:SER:HB3	1:136:A:VAL:H	9	0.87
(1,147)	1:130:A:LEU:HD21	1:149:A:ALA:HA	17	0.87
(1,147)	1:130:A:LEU:HD22	1:149:A:ALA:HA	17	0.87
(1,147)	1:130:A:LEU:HD23	1:149:A:ALA:HA	17	0.87
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	16	0.87
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	14	0.87
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	9	0.87
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	20	0.87
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	20	0.86
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	20	0.86
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	11	0.86
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	11	0.86
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	11	0.86
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	11	0.86
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	19	0.86
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	19	0.86
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	19	0.86
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	19	0.86
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	19	0.86
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	19	0.86
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	19	0.86
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	19	0.86
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	19	0.86
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	19	0.86
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	19	0.86
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	19	0.86
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	19	0.86
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	19	0.86
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	19	0.86
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	19	0.86
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	19	0.86
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	19	0.86
(1,1470)	1:105:A:LEU:HD11	1:120:A:ASP:HA	18	0.86
(1,1470)	1:105:A:LEU:HD12	1:120:A:ASP:HA	18	0.86
(1,1470)	1:105:A:LEU:HD13	1:120:A:ASP:HA	18	0.86

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:105:A:LEU:HD21	1:120:A:ASP:HA	18	0.86
(1,1470)	1:105:A:LEU:HD22	1:120:A:ASP:HA	18	0.86
(1,1470)	1:105:A:LEU:HD23	1:120:A:ASP:HA	18	0.86
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	5	0.86
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	5	0.86
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	5	0.86
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	5	0.86
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	5	0.86
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	5	0.86
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	1	0.86
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	1	0.86
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG2	19	0.86
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG3	19	0.86
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	5	0.86
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	5	0.86
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	3	0.86
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	3	0.86
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	3	0.86
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	3	0.86
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	4	0.86
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	4	0.86
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	4	0.86
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	4	0.86
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	7	0.86
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	7	0.86
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	7	0.86
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	7	0.86
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	7	0.86
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	7	0.86
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	7	0.86
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	7	0.86
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	7	0.86
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	7	0.86
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	7	0.86
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	7	0.86
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	2	0.86
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	2	0.86
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	2	0.86
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	2	0.86
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	2	0.86
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	2	0.86
(1,1372)	1:90:A:LEU:HD11	1:136:A:VAL:H	4	0.86

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:90:A:LEU:HD12	1:136:A:VAL:H	4	0.86
(1,1372)	1:90:A:LEU:HD13	1:136:A:VAL:H	4	0.86
(1,1372)	1:90:A:LEU:HD21	1:136:A:VAL:H	4	0.86
(1,1372)	1:90:A:LEU:HD22	1:136:A:VAL:H	4	0.86
(1,1372)	1:90:A:LEU:HD23	1:136:A:VAL:H	4	0.86
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	6	0.86
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	9	0.86
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	2	0.86
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	13	0.86
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	7	0.86
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	19	0.86
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	19	0.86
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	19	0.86
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	19	0.86
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	8	0.86
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	2	0.86
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	18	0.86
(1,815)	1:117:A:ILE:HD11	1:161:A:SER:H	15	0.86
(1,815)	1:117:A:ILE:HD12	1:161:A:SER:H	15	0.86
(1,815)	1:117:A:ILE:HD13	1:161:A:SER:H	15	0.86
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	16	0.86
(1,700)	1:87:A:SER:HA	1:138:A:PHE:H	14	0.86
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	2	0.86
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	3	0.86
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	18	0.86
(1,589)	1:121:A:GLN:H	1:121:A:GLN:HG2	2	0.86
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	1	0.86
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	1	0.86
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	5	0.86
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	6	0.86
(1,496)	1:100:A:ARG:H	1:100:A:ARG:HD3	10	0.86
(1,488)	1:98:A:MET:H	1:98:A:MET:HG3	11	0.86
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	18	0.86
(1,443)	1:88:A:ARG:HG3	1:89:A:TYR:H	7	0.86
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	12	0.86
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	14	0.86
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	14	0.86
(1,303)	1:115:A:LEU:HG	1:174:A:VAL:HA	19	0.86
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	3	0.86
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	3	0.86
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	3	0.86
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	3	0.86

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	11	0.86
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	11	0.86
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	11	0.86
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	11	0.86
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	11	0.86
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	11	0.86
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	14	0.86
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	14	0.86
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB2	16	0.86
(1,155)	1:132:A:ALA:HB1	1:148:A:ARG:HB3	16	0.86
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB2	16	0.86
(1,155)	1:132:A:ALA:HB2	1:148:A:ARG:HB3	16	0.86
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB2	16	0.86
(1,155)	1:132:A:ALA:HB3	1:148:A:ARG:HB3	16	0.86
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	8	0.86
(1,121)	1:125:A:ASP:H	1:188:A:ASN:HB3	7	0.86
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	13	0.86
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	12	0.86
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	17	0.86
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	16	0.85
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	16	0.85
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	5	0.85
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	5	0.85
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	5	0.85
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	5	0.85
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	5	0.85
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	5	0.85
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	5	0.85
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	5	0.85
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	5	0.85
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	5	0.85
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	5	0.85
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	5	0.85
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	6	0.85
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	6	0.85
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	16	0.85
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	16	0.85
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	4	0.85
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	4	0.85
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	4	0.85
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	4	0.85
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	4	0.85

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	4	0.85
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	4	0.85
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	4	0.85
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	4	0.85
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	4	0.85
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	4	0.85
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	4	0.85
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	4	0.85
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	4	0.85
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	4	0.85
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	4	0.85
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	4	0.85
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	4	0.85
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	18	0.85
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	18	0.85
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	18	0.85
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	18	0.85
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	18	0.85
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	18	0.85
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	18	0.85
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	18	0.85
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	18	0.85
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	18	0.85
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	18	0.85
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	18	0.85
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	18	0.85
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	18	0.85
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	18	0.85
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	18	0.85
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	18	0.85
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	18	0.85
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	18	0.85
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	18	0.85
(1,1490)	1:108:A:LYS:HG2	1:109:A:GLN:H	2	0.85
(1,1490)	1:108:A:LYS:HG3	1:109:A:GLN:H	2	0.85
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	13	0.85
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	13	0.85
(1,1442)	1:100:A:ARG:HD2	1:156:A:ILE:H	2	0.85
(1,1442)	1:100:A:ARG:HD3	1:156:A:ILE:H	2	0.85
(1,1424)	1:98:A:MET:HG2	1:100:A:ARG:H	14	0.85
(1,1424)	1:98:A:MET:HG3	1:100:A:ARG:H	14	0.85
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	15	0.85

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	15	0.85
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD1	10	0.85
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD2	10	0.85
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD1	10	0.85
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD2	10	0.85
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD1	10	0.85
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD2	10	0.85
(1,1340)	1:134:A:PHE:HE1	1:201:A:PHE:HD1	14	0.85
(1,1340)	1:134:A:PHE:HE1	1:201:A:PHE:HD2	14	0.85
(1,1340)	1:134:A:PHE:HE2	1:201:A:PHE:HD1	14	0.85
(1,1340)	1:134:A:PHE:HE2	1:201:A:PHE:HD2	14	0.85
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	3	0.85
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	3	0.85
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	3	0.85
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	3	0.85
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	3	0.85
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	3	0.85
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	3	0.85
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	3	0.85
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	3	0.85
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	17	0.85
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	20	0.85
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	20	0.85
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	20	0.85
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	3	0.85
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	2	0.85
(1,1046)	1:105:A:LEU:HB2	1:123:A:ILE:H	19	0.85
(1,998)	1:194:A:VAL:HG11	1:199:A:GLN:H	7	0.85
(1,998)	1:194:A:VAL:HG12	1:199:A:GLN:H	7	0.85
(1,998)	1:194:A:VAL:HG13	1:199:A:GLN:H	7	0.85
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	18	0.85
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	5	0.85
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	2	0.85
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	2	0.85
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	2	0.85
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	18	0.85
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	18	0.85
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	18	0.85
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	3	0.85
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	19	0.85
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	8	0.85
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	11	0.85

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	17	0.85
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	20	0.85
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	14	0.85
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	6	0.85
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	6	0.85
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	6	0.85
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	6	0.85
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	6	0.85
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	6	0.85
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	20	0.85
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	2	0.85
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	14	0.85
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	15	0.85
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	9	0.85
(1,567)	1:118:A:ARG:HB3	1:119:A:MET:H	5	0.85
(1,493)	1:98:A:MET:HG3	1:99:A:SER:H	19	0.85
(1,412)	1:179:A:GLY:HA2	1:203:A:TRP:HH2	20	0.85
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	15	0.85
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	9	0.85
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	4	0.85
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	4	0.85
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	4	0.85
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	7	0.85
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	7	0.85
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	1	0.85
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	1	0.85
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	1	0.85
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	3	0.85
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	19	0.85
(1,123)	1:127:A:ASN:HA	1:191:A:THR:HB	7	0.85
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	1	0.85
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	2	0.85
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	18	0.85
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	18	0.85
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	11	0.85
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	6	0.85
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	8	0.85
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	16	0.84
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	16	0.84
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	16	0.84
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	16	0.84
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	16	0.84

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	16	0.84
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	8	0.84
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	8	0.84
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	8	0.84
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	8	0.84
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	8	0.84
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	8	0.84
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	15	0.84
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	15	0.84
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	15	0.84
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	15	0.84
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	15	0.84
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	15	0.84
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	15	0.84
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	15	0.84
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	15	0.84
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	15	0.84
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	15	0.84
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	15	0.84
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	9	0.84
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	9	0.84
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	9	0.84
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	9	0.84
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	9	0.84
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	9	0.84
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	4	0.84
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	4	0.84
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	11	0.84
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	11	0.84
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	11	0.84
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	11	0.84
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	11	0.84
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	11	0.84
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	12	0.84
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	12	0.84
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	12	0.84
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	12	0.84
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	12	0.84
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	12	0.84
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	12	0.84
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	12	0.84
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	12	0.84

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	12	0.84
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	12	0.84
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	12	0.84
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	12	0.84
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	12	0.84
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	12	0.84
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	12	0.84
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	12	0.84
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	12	0.84
(1,1496)	1:108:A:LYS:HD2	1:109:A:GLN:H	18	0.84
(1,1496)	1:108:A:LYS:HD3	1:109:A:GLN:H	18	0.84
(1,1494)	1:108:A:LYS:HG2	1:121:A:GLN:HG2	15	0.84
(1,1494)	1:108:A:LYS:HG2	1:121:A:GLN:HG3	15	0.84
(1,1494)	1:108:A:LYS:HG3	1:121:A:GLN:HG2	15	0.84
(1,1494)	1:108:A:LYS:HG3	1:121:A:GLN:HG3	15	0.84
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	13	0.84
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	13	0.84
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	17	0.84
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	17	0.84
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	14	0.84
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	14	0.84
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	12	0.84
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	12	0.84
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	12	0.84
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	12	0.84
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	12	0.84
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	12	0.84
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	12	0.84
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	12	0.84
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	12	0.84
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	12	0.84
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	12	0.84
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	12	0.84
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	2	0.84
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	2	0.84
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	9	0.84
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	9	0.84
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	9	0.84
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	9	0.84
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	9	0.84
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	9	0.84
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD11	18	0.84

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD12	18	0.84
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD13	18	0.84
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD11	18	0.84
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD12	18	0.84
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD13	18	0.84
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	5	0.84
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	12	0.84
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	20	0.84
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	20	0.84
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	20	0.84
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	17	0.84
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	17	0.84
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	17	0.84
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	13	0.84
(1,1105)	1:108:A:LYS:HG3	1:109:A:GLN:H	2	0.84
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	15	0.84
(1,977)	1:193:A:ARG:H	1:193:A:ARG:HD2	8	0.84
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	5	0.84
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	15	0.84
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	4	0.84
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	12	0.84
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	16	0.84
(1,821)	1:114:A:SER:HA	1:163:A:LEU:H	8	0.84
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	8	0.84
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	6	0.84
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	8	0.84
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	13	0.84
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	12	0.84
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	12	0.84
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	2	0.84
(1,669)	1:132:A:ALA:H	1:134:A:PHE:HD1	12	0.84
(1,669)	1:132:A:ALA:H	1:134:A:PHE:HD2	12	0.84
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	1	0.84
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	1	0.84
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	1	0.84
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	12	0.84
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	12	0.84
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	12	0.84
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	4	0.84
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	3	0.84
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	3	0.84
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	1	0.84

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	1	0.84
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	10	0.84
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	10	0.84
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	10	0.84
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	16	0.84
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	16	0.84
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	16	0.84
(1,493)	1:98:A:MET:HG3	1:99:A:SER:H	11	0.84
(1,492)	1:98:A:MET:HG2	1:99:A:SER:H	12	0.84
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	10	0.84
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	13	0.84
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	7	0.84
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	2	0.84
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	16	0.84
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	16	0.84
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	16	0.84
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	13	0.84
(1,288)	1:160:A:ILE:HD11	1:161:A:SER:H	13	0.84
(1,288)	1:160:A:ILE:HD12	1:161:A:SER:H	13	0.84
(1,288)	1:160:A:ILE:HD13	1:161:A:SER:H	13	0.84
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	13	0.84
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	13	0.84
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	13	0.84
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG21	3	0.84
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG22	3	0.84
(1,233)	1:127:A:ASN:HB3	1:151:A:THR:HG23	3	0.84
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	16	0.84
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	16	0.84
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	16	0.84
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	5	0.84
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG21	6	0.84
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG22	6	0.84
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG23	6	0.84
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG21	6	0.84
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG22	6	0.84
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG23	6	0.84
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG21	10	0.84
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG22	10	0.84
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG23	10	0.84
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG21	10	0.84
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG22	10	0.84
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG23	10	0.84

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	11	0.84
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	11	0.84
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	11	0.84
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	8	0.84
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	8	0.84
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	8	0.84
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	16	0.84
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	10	0.84
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	14	0.84
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	8	0.83
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	8	0.83
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	7	0.83
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	7	0.83
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	16	0.83
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	16	0.83
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	16	0.83
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	16	0.83
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	11	0.83
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	11	0.83
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	6	0.83
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	6	0.83
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	15	0.83
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	15	0.83
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	10	0.83
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	10	0.83
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	18	0.83
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	18	0.83
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	18	0.83
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	18	0.83
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	18	0.83
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	18	0.83
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG2	17	0.83
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG3	17	0.83
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	17	0.83
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	17	0.83
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	17	0.83
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	17	0.83
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	4	0.83
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	4	0.83
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	2	0.83
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	2	0.83
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	2	0.83

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	2	0.83
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	2	0.83
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	2	0.83
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	13	0.83
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	13	0.83
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	13	0.83
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	13	0.83
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	13	0.83
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	13	0.83
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	6	0.83
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	11	0.83
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	11	0.83
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	11	0.83
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	3	0.83
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	6	0.83
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	6	0.83
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	6	0.83
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	2	0.83
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	14	0.83
(1,970)	1:192:A:VAL:H	1:192:A:VAL:HB	8	0.83
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	20	0.83
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	20	0.83
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	20	0.83
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	12	0.83
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	11	0.83
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	11	0.83
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	11	0.83
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	7	0.83
(1,703)	1:137:A:ILE:HB	1:140:A:ARG:H	17	0.83
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	18	0.83
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	18	0.83
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	18	0.83
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	2	0.83
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	8	0.83
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	6	0.83
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	10	0.83
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	12	0.83
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	12	0.83
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	20	0.83
(1,247)	1:155:A:ALA:HB1	1:156:A:ILE:HG13	16	0.83
(1,247)	1:155:A:ALA:HB2	1:156:A:ILE:HG13	16	0.83
(1,247)	1:155:A:ALA:HB3	1:156:A:ILE:HG13	16	0.83

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	19	0.83
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	19	0.83
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	19	0.83
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	19	0.83
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	19	0.83
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	19	0.83
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	19	0.83
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	1	0.83
(1,122)	1:126:A:LYS:HA	1:152:A:GLU:HG3	5	0.83
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	6	0.83
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	19	0.83
(1,1781)	1:194:A:VAL:HG11	1:203:A:TRP:H	14	0.82
(1,1781)	1:194:A:VAL:HG12	1:203:A:TRP:H	14	0.82
(1,1781)	1:194:A:VAL:HG13	1:203:A:TRP:H	14	0.82
(1,1781)	1:194:A:VAL:HG21	1:203:A:TRP:H	14	0.82
(1,1781)	1:194:A:VAL:HG22	1:203:A:TRP:H	14	0.82
(1,1781)	1:194:A:VAL:HG23	1:203:A:TRP:H	14	0.82
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	10	0.82
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	10	0.82
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	1	0.82
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	1	0.82
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	1	0.82
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	1	0.82
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	1	0.82
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	1	0.82
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	3	0.82
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	3	0.82
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	3	0.82
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	3	0.82
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	3	0.82
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	3	0.82
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	8	0.82
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	8	0.82
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	8	0.82
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	8	0.82
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	8	0.82
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	8	0.82
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	3	0.82
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	3	0.82
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	3	0.82
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	3	0.82
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	3	0.82

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	3	0.82
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	5	0.82
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	5	0.82
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	5	0.82
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	5	0.82
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	5	0.82
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	5	0.82
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	5	0.82
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	5	0.82
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	5	0.82
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	5	0.82
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	5	0.82
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	5	0.82
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	5	0.82
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	5	0.82
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	5	0.82
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	5	0.82
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	5	0.82
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	5	0.82
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	10	0.82
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	10	0.82
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	10	0.82
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	10	0.82
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	10	0.82
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	10	0.82
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	7	0.82
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	7	0.82
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	9	0.82
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	9	0.82
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	15	0.82
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	15	0.82
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	18	0.82
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	18	0.82
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	14	0.82
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	14	0.82
(1,1496)	1:108:A:LYS:HD2	1:109:A:GLN:H	6	0.82
(1,1496)	1:108:A:LYS:HD3	1:109:A:GLN:H	6	0.82
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	16	0.82
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	16	0.82
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	16	0.82
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	16	0.82
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	4	0.82

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	4	0.82
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	10	0.82
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	10	0.82
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	10	0.82
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	10	0.82
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	10	0.82
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	10	0.82
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	9	0.82
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	9	0.82
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	7	0.82
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	7	0.82
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	17	0.82
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	17	0.82
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	16	0.82
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	9	0.82
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	3	0.82
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	8	0.82
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	11	0.82
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	3	0.82
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	13	0.82
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	5	0.82
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	5	0.82
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	5	0.82
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	20	0.82
(1,1042)	1:136:A:VAL:H	1:142:A:GLU:HB2	15	0.82
(1,1042)	1:136:A:VAL:H	1:142:A:GLU:HB3	15	0.82
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	16	0.82
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	3	0.82
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	8	0.82
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	1	0.82
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	14	0.82
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	2	0.82
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	3	0.82
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	6	0.82
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	7	0.82
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	2	0.82
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	2	0.82
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	2	0.82
(1,700)	1:87:A:SER:HA	1:138:A:PHE:H	10	0.82
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	20	0.82
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	3	0.82
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	15	0.82

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	15	0.82
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	15	0.82
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	18	0.82
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	10	0.82
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	10	0.82
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	10	0.82
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	11	0.82
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	11	0.82
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	11	0.82
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	19	0.82
(1,333)	1:181:A:LEU:HG	1:182:A:ILE:HA	19	0.82
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	5	0.82
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	10	0.82
(1,234)	1:151:A:THR:HG21	1:152:A:GLU:HA	3	0.82
(1,234)	1:151:A:THR:HG22	1:152:A:GLU:HA	3	0.82
(1,234)	1:151:A:THR:HG23	1:152:A:GLU:HA	3	0.82
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	17	0.82
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	17	0.82
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	17	0.82
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	17	0.82
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	17	0.82
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	17	0.82
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	13	0.82
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	15	0.82
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	8	0.82
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	6	0.82
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	3	0.82
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	15	0.82
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	17	0.81
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	17	0.81
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	17	0.81
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	17	0.81
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	17	0.81
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	17	0.81
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	5	0.81
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	5	0.81
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	5	0.81
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	5	0.81
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	5	0.81
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	5	0.81
(1,1691)	1:162:A:PRO:HB2	1:169:A:HIS:HE1	5	0.81
(1,1691)	1:162:A:PRO:HB3	1:169:A:HIS:HE1	5	0.81

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	10	0.81
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	10	0.81
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	18	0.81
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	18	0.81
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	18	0.81
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	18	0.81
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	18	0.81
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	18	0.81
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	17	0.81
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	17	0.81
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	11	0.81
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	11	0.81
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG2	9	0.81
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG3	9	0.81
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	6	0.81
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	6	0.81
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	8	0.81
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	8	0.81
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	11	0.81
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	11	0.81
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	1	0.81
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	1	0.81
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	1	0.81
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	1	0.81
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	1	0.81
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	1	0.81
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG11	3	0.81
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG12	3	0.81
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG13	3	0.81
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG11	8	0.81
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG12	8	0.81
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG13	8	0.81
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	19	0.81
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	7	0.81
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	7	0.81
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	7	0.81
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	20	0.81
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	20	0.81
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	20	0.81
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	2	0.81
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	12	0.81
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	2	0.81

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	4	0.81
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	2	0.81
(1,1036)	1:152:A:GLU:HG3	1:153:A:GLU:HA	17	0.81
(1,998)	1:194:A:VAL:HG11	1:199:A:GLN:H	6	0.81
(1,998)	1:194:A:VAL:HG12	1:199:A:GLN:H	6	0.81
(1,998)	1:194:A:VAL:HG13	1:199:A:GLN:H	6	0.81
(1,998)	1:194:A:VAL:HG11	1:199:A:GLN:H	11	0.81
(1,998)	1:194:A:VAL:HG12	1:199:A:GLN:H	11	0.81
(1,998)	1:194:A:VAL:HG13	1:199:A:GLN:H	11	0.81
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	19	0.81
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	4	0.81
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	9	0.81
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	18	0.81
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	1	0.81
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	9	0.81
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	18	0.81
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	10	0.81
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	14	0.81
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	16	0.81
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	15	0.81
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	12	0.81
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	14	0.81
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	14	0.81
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	14	0.81
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	16	0.81
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	16	0.81
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	16	0.81
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	18	0.81
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	18	0.81
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	18	0.81
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	17	0.81
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	20	0.81
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	9	0.81
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	9	0.81
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	9	0.81
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	3	0.81
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	12	0.81
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	7	0.81
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	7	0.81
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	7	0.81
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	4	0.81
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	4	0.81

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	4	0.81
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	17	0.81
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	17	0.81
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	17	0.81
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	7	0.81
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	15	0.81
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	16	0.81
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	20	0.81
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	9	0.81
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	9	0.81
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	11	0.81
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	11	0.81
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	15	0.81
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	15	0.81
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	10	0.81
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	14	0.81
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	18	0.81
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	1	0.81
(1,175)	1:87:A:SER:HB2	1:136:A:VAL:H	11	0.81
(1,175)	1:87:A:SER:HB3	1:136:A:VAL:H	11	0.81
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	20	0.81
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	20	0.81
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	20	0.81
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG21	2	0.81
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG22	2	0.81
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG23	2	0.81
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG21	2	0.81
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG22	2	0.81
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG23	2	0.81
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	1	0.81
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	2	0.81
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	17	0.81
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	17	0.81
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	17	0.81
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	17	0.81
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	17	0.81
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	7	0.8
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	7	0.8
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	15	0.8
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	15	0.8
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	15	0.8
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	15	0.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	15	0.8
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	15	0.8
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	1	0.8
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	1	0.8
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	4	0.8
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	4	0.8
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	1	0.8
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	1	0.8
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG2	2	0.8
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG3	2	0.8
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG11	18	0.8
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG12	18	0.8
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG13	18	0.8
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG21	18	0.8
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG22	18	0.8
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG23	18	0.8
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	2	0.8
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	2	0.8
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	2	0.8
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	2	0.8
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	2	0.8
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	2	0.8
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	15	0.8
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	15	0.8
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	15	0.8
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	15	0.8
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	15	0.8
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	15	0.8
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	15	0.8
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	15	0.8
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	15	0.8
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	15	0.8
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	15	0.8
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	15	0.8
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	15	0.8
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	15	0.8
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	15	0.8
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	15	0.8
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	15	0.8
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	15	0.8
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	8	0.8
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	8	0.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	6	0.8
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	6	0.8
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	6	0.8
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	6	0.8
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	6	0.8
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	6	0.8
(1,1442)	1:100:A:ARG:HD2	1:156:A:ILE:H	15	0.8
(1,1442)	1:100:A:ARG:HD3	1:156:A:ILE:H	15	0.8
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	6	0.8
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	6	0.8
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	6	0.8
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	6	0.8
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	6	0.8
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	6	0.8
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	6	0.8
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	6	0.8
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	6	0.8
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	6	0.8
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	6	0.8
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	6	0.8
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	20	0.8
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	20	0.8
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	20	0.8
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	20	0.8
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	20	0.8
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	20	0.8
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	20	0.8
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	20	0.8
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	20	0.8
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	20	0.8
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	20	0.8
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	20	0.8
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG11	15	0.8
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG12	15	0.8
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG13	15	0.8
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG21	15	0.8
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG22	15	0.8
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG23	15	0.8
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	4	0.8
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	4	0.8
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	4	0.8
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	18	0.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG11	2	0.8
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG12	2	0.8
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG13	2	0.8
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG11	5	0.8
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG12	5	0.8
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG13	5	0.8
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	8	0.8
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	15	0.8
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	17	0.8
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	11	0.8
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	11	0.8
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	11	0.8
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	13	0.8
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	17	0.8
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	18	0.8
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	14	0.8
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	14	0.8
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	14	0.8
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	19	0.8
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	19	0.8
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	19	0.8
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	7	0.8
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	10	0.8
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	13	0.8
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	6	0.8
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	6	0.8
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	6	0.8
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	20	0.8
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	3	0.8
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	3	0.8
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	3	0.8
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	3	0.8
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	3	0.8
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	3	0.8
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	1	0.8
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	1	0.8
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	1	0.8
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	16	0.8
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	16	0.8
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	16	0.8
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	11	0.8
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	11	0.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	11	0.8
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	15	0.8
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	15	0.8
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	15	0.8
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	3	0.8
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	11	0.8
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	16	0.8
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	6	0.8
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	6	0.8
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	6	0.8
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	17	0.8
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	17	0.8
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	17	0.8
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	4	0.8
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	11	0.8
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	12	0.8
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD11	16	0.8
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD12	16	0.8
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD13	16	0.8
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD11	16	0.8
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD12	16	0.8
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD13	16	0.8
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD11	18	0.8
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD12	18	0.8
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD13	18	0.8
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD11	18	0.8
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD12	18	0.8
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD13	18	0.8
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	10	0.8
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	10	0.8
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD11	20	0.8
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD12	20	0.8
(1,149)	1:131:A:LYS:H	1:147:A:LEU:HD13	20	0.8
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	7	0.8
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	7	0.8
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	13	0.8
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG21	2	0.79
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG22	2	0.79
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG23	2	0.79
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG21	2	0.79
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG22	2	0.79
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG23	2	0.79

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG21	10	0.79
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG22	10	0.79
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG23	10	0.79
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG21	10	0.79
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG22	10	0.79
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG23	10	0.79
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	7	0.79
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	7	0.79
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	7	0.79
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	7	0.79
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	7	0.79
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	7	0.79
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	3	0.79
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	3	0.79
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	6	0.79
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	6	0.79
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	18	0.79
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	18	0.79
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	17	0.79
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	17	0.79
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	17	0.79
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	17	0.79
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	17	0.79
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	17	0.79
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	9	0.79
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	9	0.79
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	9	0.79
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	9	0.79
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	9	0.79
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	9	0.79
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	5	0.79
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	5	0.79
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	13	0.79
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	13	0.79
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	7	0.79
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	7	0.79
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	7	0.79
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	7	0.79
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	18	0.79
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	18	0.79
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	18	0.79
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	18	0.79

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD11	15	0.79
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD12	15	0.79
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD13	15	0.79
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD11	15	0.79
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD12	15	0.79
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD13	15	0.79
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	8	0.79
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	8	0.79
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	12	0.79
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	12	0.79
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	12	0.79
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	12	0.79
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	12	0.79
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	12	0.79
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	14	0.79
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	14	0.79
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	14	0.79
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	14	0.79
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	14	0.79
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	14	0.79
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	4	0.79
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	4	0.79
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	10	0.79
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	10	0.79
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	10	0.79
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	10	0.79
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	10	0.79
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	10	0.79
(1,1363)	1:88:A:ARG:HD2	1:136:A:VAL:HG11	12	0.79
(1,1363)	1:88:A:ARG:HD2	1:136:A:VAL:HG12	12	0.79
(1,1363)	1:88:A:ARG:HD2	1:136:A:VAL:HG13	12	0.79
(1,1363)	1:88:A:ARG:HD2	1:136:A:VAL:HG21	12	0.79
(1,1363)	1:88:A:ARG:HD2	1:136:A:VAL:HG22	12	0.79
(1,1363)	1:88:A:ARG:HD2	1:136:A:VAL:HG23	12	0.79
(1,1363)	1:88:A:ARG:HD3	1:136:A:VAL:HG11	12	0.79
(1,1363)	1:88:A:ARG:HD3	1:136:A:VAL:HG12	12	0.79
(1,1363)	1:88:A:ARG:HD3	1:136:A:VAL:HG13	12	0.79
(1,1363)	1:88:A:ARG:HD3	1:136:A:VAL:HG21	12	0.79
(1,1363)	1:88:A:ARG:HD3	1:136:A:VAL:HG22	12	0.79
(1,1363)	1:88:A:ARG:HD3	1:136:A:VAL:HG23	12	0.79
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	2	0.79
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	17	0.79

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	17	0.79
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	17	0.79
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	1	0.79
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	1	0.79
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	1	0.79
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	14	0.79
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	14	0.79
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	14	0.79
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	15	0.79
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	15	0.79
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	15	0.79
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	9	0.79
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	11	0.79
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	12	0.79
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	18	0.79
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	5	0.79
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	5	0.79
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	5	0.79
(1,961)	1:128:A:ILE:HB	1:191:A:THR:H	15	0.79
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	11	0.79
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	13	0.79
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	7	0.79
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	8	0.79
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	9	0.79
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	9	0.79
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	7	0.79
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	7	0.79
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	7	0.79
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	19	0.79
(1,896)	1:179:A:GLY:HA3	1:182:A:ILE:H	5	0.79
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	12	0.79
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	12	0.79
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	12	0.79
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	10	0.79
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	6	0.79
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	6	0.79
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	6	0.79
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	3	0.79
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	3	0.79
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	19	0.79
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	2	0.79
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	2	0.79

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	3	0.79
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	4	0.79
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	2	0.79
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	2	0.79
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	2	0.79
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	6	0.79
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	6	0.79
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	6	0.79
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	14	0.79
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	16	0.79
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	8	0.79
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	4	0.79
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	4	0.79
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	4	0.79
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	6	0.79
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	8	0.79
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	12	0.79
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	7	0.79
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	12	0.79
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	12	0.79
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	12	0.79
(1,493)	1:98:A:MET:HG3	1:99:A:SER:H	3	0.79
(1,458)	1:90:A:LEU:HD21	1:91:A:THR:H	4	0.79
(1,458)	1:90:A:LEU:HD22	1:91:A:THR:H	4	0.79
(1,458)	1:90:A:LEU:HD23	1:91:A:THR:H	4	0.79
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	13	0.79
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	13	0.79
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	13	0.79
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	19	0.79
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	4	0.79
(1,354)	1:124:A:MET:HG2	1:188:A:ASN:HB3	3	0.79
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	5	0.79
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	20	0.79
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	20	0.79
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	20	0.79
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	20	0.79
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	20	0.79
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	20	0.79
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	6	0.79
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	7	0.79
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	16	0.79
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	20	0.79

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	1	0.79
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	1	0.79
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	1	0.79
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG21	8	0.79
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG22	8	0.79
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG23	8	0.79
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG21	8	0.79
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG22	8	0.79
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG23	8	0.79
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG21	14	0.79
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG22	14	0.79
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG23	14	0.79
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG21	14	0.79
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG22	14	0.79
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG23	14	0.79
(1,161)	1:134:A:PHE:H	1:145:A:ILE:HD11	2	0.79
(1,161)	1:134:A:PHE:H	1:145:A:ILE:HD12	2	0.79
(1,161)	1:134:A:PHE:H	1:145:A:ILE:HD13	2	0.79
(1,161)	1:134:A:PHE:H	1:145:A:ILE:HD11	10	0.79
(1,161)	1:134:A:PHE:H	1:145:A:ILE:HD12	10	0.79
(1,161)	1:134:A:PHE:H	1:145:A:ILE:HD13	10	0.79
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	10	0.79
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	13	0.79
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	19	0.79
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	5	0.79
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	5	0.79
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	5	0.79
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	9	0.79
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	4	0.79
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	5	0.79
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	18	0.79
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	20	0.79
(1,1782)	1:194:A:VAL:HG11	1:203:A:TRP:HB2	7	0.78
(1,1782)	1:194:A:VAL:HG12	1:203:A:TRP:HB2	7	0.78
(1,1782)	1:194:A:VAL:HG13	1:203:A:TRP:HB2	7	0.78
(1,1782)	1:194:A:VAL:HG21	1:203:A:TRP:HB2	7	0.78
(1,1782)	1:194:A:VAL:HG22	1:203:A:TRP:HB2	7	0.78
(1,1782)	1:194:A:VAL:HG23	1:203:A:TRP:HB2	7	0.78
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	7	0.78
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	7	0.78
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	7	0.78
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	7	0.78

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	7	0.78
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	7	0.78
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	13	0.78
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	13	0.78
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	5	0.78
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	5	0.78
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	5	0.78
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	5	0.78
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	5	0.78
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	5	0.78
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	5	0.78
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	5	0.78
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	5	0.78
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	5	0.78
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	5	0.78
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	5	0.78
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG11	5	0.78
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG12	5	0.78
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG13	5	0.78
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG21	5	0.78
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG22	5	0.78
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG23	5	0.78
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	8	0.78
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	8	0.78
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	8	0.78
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	8	0.78
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	8	0.78
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	8	0.78
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	18	0.78
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	18	0.78
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	9	0.78
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	9	0.78
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	9	0.78
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	9	0.78
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	9	0.78
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	9	0.78
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	9	0.78
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	9	0.78
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	9	0.78
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	9	0.78
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	9	0.78
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	9	0.78

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	9	0.78
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	9	0.78
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	9	0.78
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	9	0.78
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	9	0.78
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	9	0.78
(1,1496)	1:108:A:LYS:HD2	1:109:A:GLN:H	5	0.78
(1,1496)	1:108:A:LYS:HD3	1:109:A:GLN:H	5	0.78
(1,1496)	1:108:A:LYS:HD2	1:109:A:GLN:H	8	0.78
(1,1496)	1:108:A:LYS:HD3	1:109:A:GLN:H	8	0.78
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	14	0.78
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	14	0.78
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	18	0.78
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	18	0.78
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG2	10	0.78
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG3	10	0.78
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG2	13	0.78
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG3	13	0.78
(1,1424)	1:98:A:MET:HG2	1:100:A:ARG:H	18	0.78
(1,1424)	1:98:A:MET:HG3	1:100:A:ARG:H	18	0.78
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG2	14	0.78
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG3	14	0.78
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG2	14	0.78
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG3	14	0.78
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	7	0.78
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	7	0.78
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	7	0.78
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	7	0.78
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	11	0.78
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	11	0.78
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	18	0.78
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	18	0.78
(1,1340)	1:134:A:PHE:HE1	1:201:A:PHE:HD1	4	0.78
(1,1340)	1:134:A:PHE:HE1	1:201:A:PHE:HD2	4	0.78
(1,1340)	1:134:A:PHE:HE2	1:201:A:PHE:HD1	4	0.78
(1,1340)	1:134:A:PHE:HE2	1:201:A:PHE:HD2	4	0.78
(1,1333)	1:134:A:PHE:HE1	1:136:A:VAL:HG11	12	0.78
(1,1333)	1:134:A:PHE:HE1	1:136:A:VAL:HG12	12	0.78
(1,1333)	1:134:A:PHE:HE1	1:136:A:VAL:HG13	12	0.78
(1,1333)	1:134:A:PHE:HE2	1:136:A:VAL:HG11	12	0.78
(1,1333)	1:134:A:PHE:HE2	1:136:A:VAL:HG12	12	0.78
(1,1333)	1:134:A:PHE:HE2	1:136:A:VAL:HG13	12	0.78

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	6	0.78
(1,1221)	1:151:A:THR:HA	1:155:A:ALA:H	10	0.78
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	2	0.78
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	2	0.78
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	2	0.78
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	4	0.78
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	4	0.78
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	4	0.78
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	11	0.78
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	18	0.78
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	2	0.78
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	17	0.78
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	19	0.78
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	9	0.78
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	19	0.78
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	19	0.78
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	19	0.78
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	1	0.78
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	14	0.78
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	20	0.78
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	20	0.78
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	16	0.78
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	4	0.78
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	4	0.78
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	4	0.78
(1,695)	1:137:A:ILE:H	1:139:A:ASP:HA	15	0.78
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	11	0.78
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	11	0.78
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	11	0.78
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	11	0.78
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	11	0.78
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	11	0.78
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	4	0.78
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	4	0.78
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	4	0.78
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	11	0.78
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	11	0.78
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	11	0.78
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	17	0.78
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	17	0.78
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	17	0.78
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	5	0.78

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	15	0.78
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	4	0.78
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	3	0.78
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	17	0.78
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	15	0.78
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	12	0.78
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	12	0.78
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	12	0.78
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	5	0.78
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	4	0.78
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	9	0.78
(1,320)	1:178:A:VAL:HG21	1:203:A:TRP:HB2	7	0.78
(1,320)	1:178:A:VAL:HG22	1:203:A:TRP:HB2	7	0.78
(1,320)	1:178:A:VAL:HG23	1:203:A:TRP:HB2	7	0.78
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	8	0.78
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	12	0.78
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	2	0.78
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	20	0.78
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	20	0.78
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	4	0.78
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	9	0.78
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	9	0.78
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	9	0.78
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	7	0.78
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	4	0.78
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	14	0.78
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	16	0.78
(1,87)	1:116:A:CYS:HA	1:117:A:ILE:HB	2	0.78
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	5	0.78
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	5	0.78
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	5	0.78
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	3	0.78
(1,36)	1:91:A:THR:HG21	1:133:A:ASN:HB3	16	0.78
(1,36)	1:91:A:THR:HG22	1:133:A:ASN:HB3	16	0.78
(1,36)	1:91:A:THR:HG23	1:133:A:ASN:HB3	16	0.78
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	12	0.78
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	16	0.78
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB2	18	0.78
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB3	18	0.78
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB2	18	0.78
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB3	18	0.78
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	7	0.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	7	0.77
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	5	0.77
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	5	0.77
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	13	0.77
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	13	0.77
(1,1761)	1:185:A:LEU:HD11	1:190:A:ASN:H	2	0.77
(1,1761)	1:185:A:LEU:HD12	1:190:A:ASN:H	2	0.77
(1,1761)	1:185:A:LEU:HD13	1:190:A:ASN:H	2	0.77
(1,1761)	1:185:A:LEU:HD21	1:190:A:ASN:H	2	0.77
(1,1761)	1:185:A:LEU:HD22	1:190:A:ASN:H	2	0.77
(1,1761)	1:185:A:LEU:HD23	1:190:A:ASN:H	2	0.77
(1,1751)	1:185:A:LEU:HB2	1:186:A:GLU:H	4	0.77
(1,1751)	1:185:A:LEU:HB3	1:186:A:GLU:H	4	0.77
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	4	0.77
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	4	0.77
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	4	0.77
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	4	0.77
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	4	0.77
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	4	0.77
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	19	0.77
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	19	0.77
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	19	0.77
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	19	0.77
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	19	0.77
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	19	0.77
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	20	0.77
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	20	0.77
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	19	0.77
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	19	0.77
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	10	0.77
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	10	0.77
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	10	0.77
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	10	0.77
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	12	0.77
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	12	0.77
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	12	0.77
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	12	0.77
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	12	0.77
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	12	0.77
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	5	0.77
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	5	0.77
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	5	0.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	17	0.77
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	1	0.77
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	4	0.77
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	7	0.77
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	12	0.77
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	13	0.77
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	13	0.77
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	13	0.77
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	9	0.77
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	9	0.77
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	9	0.77
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	7	0.77
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	17	0.77
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	5	0.77
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	8	0.77
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	10	0.77
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	17	0.77
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	3	0.77
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	17	0.77
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	14	0.77
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	14	0.77
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	14	0.77
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	5	0.77
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	5	0.77
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	5	0.77
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	20	0.77
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	20	0.77
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	20	0.77
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	19	0.77
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	12	0.77
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	19	0.77
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	19	0.77
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	3	0.77
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	3	0.77
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	3	0.77
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	7	0.77
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	7	0.77
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	7	0.77
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	3	0.77
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	3	0.77
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	3	0.77
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	18	0.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	18	0.77
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	18	0.77
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	7	0.77
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	20	0.77
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	4	0.77
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	6	0.77
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	15	0.77
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	20	0.77
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	1	0.77
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	11	0.77
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	11	0.77
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	11	0.77
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	11	0.77
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	10	0.77
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	10	0.77
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	10	0.77
(1,354)	1:124:A:MET:HG2	1:188:A:ASN:HB3	19	0.77
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	17	0.77
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	18	0.77
(1,291)	1:115:A:LEU:HG	1:169:A:HIS:HE1	1	0.77
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG21	2	0.77
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG22	2	0.77
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG23	2	0.77
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG21	2	0.77
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG22	2	0.77
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG23	2	0.77
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG21	16	0.77
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG22	16	0.77
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG23	16	0.77
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG21	16	0.77
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG22	16	0.77
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG23	16	0.77
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	17	0.77
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	3	0.77
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	14	0.77
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	14	0.77
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	14	0.77
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	14	0.77
(1,2)	1:136:A:VAL:HA	1:142:A:GLU:H	17	0.77
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	17	0.76
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	17	0.76
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	17	0.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	17	0.76
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	19	0.76
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	19	0.76
(1,1756)	1:185:A:LEU:HD11	1:186:A:GLU:H	1	0.76
(1,1756)	1:185:A:LEU:HD12	1:186:A:GLU:H	1	0.76
(1,1756)	1:185:A:LEU:HD13	1:186:A:GLU:H	1	0.76
(1,1756)	1:185:A:LEU:HD21	1:186:A:GLU:H	1	0.76
(1,1756)	1:185:A:LEU:HD22	1:186:A:GLU:H	1	0.76
(1,1756)	1:185:A:LEU:HD23	1:186:A:GLU:H	1	0.76
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB2	8	0.76
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB3	8	0.76
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB2	8	0.76
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB3	8	0.76
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG11	7	0.76
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG12	7	0.76
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG13	7	0.76
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG21	7	0.76
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG22	7	0.76
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG23	7	0.76
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	7	0.76
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	7	0.76
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	7	0.76
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	7	0.76
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	7	0.76
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	7	0.76
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	15	0.76
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	15	0.76
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	15	0.76
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	15	0.76
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	15	0.76
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	15	0.76
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	8	0.76
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	8	0.76
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	8	0.76
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	8	0.76
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	8	0.76
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	8	0.76
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	19	0.76
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	19	0.76
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	19	0.76
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	19	0.76
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	19	0.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	19	0.76
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	12	0.76
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	12	0.76
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	12	0.76
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	12	0.76
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	2	0.76
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	2	0.76
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	15	0.76
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	15	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	6	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	6	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	6	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	6	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	6	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	6	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	13	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	13	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	13	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	13	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	13	0.76
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	13	0.76
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	10	0.76
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	10	0.76
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	10	0.76
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD1	13	0.76
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD2	13	0.76
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD1	13	0.76
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD2	13	0.76
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD1	13	0.76
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD2	13	0.76
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	3	0.76
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	5	0.76
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	10	0.76
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	18	0.76
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	10	0.76
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	10	0.76
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	10	0.76
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	12	0.76
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	12	0.76
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	12	0.76
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	10	0.76
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	10	0.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	10	0.76
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	6	0.76
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	6	0.76
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	6	0.76
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	14	0.76
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	20	0.76
(1,1050)	1:137:A:ILE:HA	1:140:A:ARG:H	17	0.76
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	19	0.76
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	18	0.76
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	18	0.76
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	10	0.76
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	1	0.76
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	1	0.76
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	1	0.76
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	17	0.76
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	17	0.76
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	17	0.76
(1,726)	1:147:A:LEU:HG	1:148:A:ARG:H	3	0.76
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	19	0.76
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	19	0.76
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	19	0.76
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	20	0.76
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	20	0.76
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	20	0.76
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	6	0.76
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	18	0.76
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	16	0.76
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	4	0.76
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	15	0.76
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	3	0.76
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	3	0.76
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	3	0.76
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	5	0.76
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	5	0.76
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	5	0.76
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	5	0.76
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	5	0.76
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	5	0.76
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	11	0.76
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	11	0.76
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	11	0.76
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	18	0.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	18	0.76
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	18	0.76
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	1	0.76
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	6	0.76
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	13	0.76
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	19	0.76
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG2	17	0.76
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG3	17	0.76
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG2	17	0.76
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG3	17	0.76
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG2	17	0.76
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG3	17	0.76
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	1	0.76
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	11	0.76
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	5	0.76
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	5	0.76
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	5	0.76
(1,150)	1:131:A:LYS:HA	1:147:A:LEU:HG	5	0.76
(1,43)	1:94:A:THR:HA	1:95:A:LEU:HB3	5	0.76
(1,28)	1:90:A:LEU:HD11	1:197:A:THR:HG21	4	0.76
(1,28)	1:90:A:LEU:HD11	1:197:A:THR:HG22	4	0.76
(1,28)	1:90:A:LEU:HD11	1:197:A:THR:HG23	4	0.76
(1,28)	1:90:A:LEU:HD12	1:197:A:THR:HG21	4	0.76
(1,28)	1:90:A:LEU:HD12	1:197:A:THR:HG22	4	0.76
(1,28)	1:90:A:LEU:HD12	1:197:A:THR:HG23	4	0.76
(1,28)	1:90:A:LEU:HD13	1:197:A:THR:HG21	4	0.76
(1,28)	1:90:A:LEU:HD13	1:197:A:THR:HG22	4	0.76
(1,28)	1:90:A:LEU:HD13	1:197:A:THR:HG23	4	0.76
(1,18)	1:88:A:ARG:HA	1:89:A:TYR:HA	11	0.76
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	14	0.76
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	4	0.75
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	4	0.75
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	4	0.75
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	4	0.75
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	4	0.75
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	4	0.75
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	13	0.75
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	13	0.75
(1,1496)	1:108:A:LYS:HD2	1:109:A:GLN:H	3	0.75
(1,1496)	1:108:A:LYS:HD3	1:109:A:GLN:H	3	0.75
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	16	0.75
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	16	0.75

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	14	0.75
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	14	0.75
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	17	0.75
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	17	0.75
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	17	0.75
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	17	0.75
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	10	0.75
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	10	0.75
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	10	0.75
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	10	0.75
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	10	0.75
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	10	0.75
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	8	0.75
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	8	0.75
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	8	0.75
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	8	0.75
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	8	0.75
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	8	0.75
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	16	0.75
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	16	0.75
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	16	0.75
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	16	0.75
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	16	0.75
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	16	0.75
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG11	6	0.75
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG12	6	0.75
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG13	6	0.75
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	1	0.75
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	4	0.75
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	11	0.75
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	11	0.75
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	11	0.75
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	4	0.75
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	4	0.75
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	4	0.75
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	12	0.75
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	12	0.75
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	12	0.75
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	18	0.75
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	9	0.75
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	16	0.75
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	12	0.75

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	20	0.75
(1,970)	1:192:A:VAL:H	1:192:A:VAL:HB	5	0.75
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	3	0.75
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	8	0.75
(1,938)	1:188:A:ASN:H	1:190:A:ASN:HD21	1	0.75
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	8	0.75
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	10	0.75
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	7	0.75
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	7	0.75
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	7	0.75
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	11	0.75
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	11	0.75
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	11	0.75
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	10	0.75
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	16	0.75
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	16	0.75
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	16	0.75
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	4	0.75
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	8	0.75
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	5	0.75
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	5	0.75
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	5	0.75
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	3	0.75
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	3	0.75
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	3	0.75
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	17	0.75
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	17	0.75
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	17	0.75
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	13	0.75
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	8	0.75
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	18	0.75
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	2	0.75
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	2	0.75
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	2	0.75
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	10	0.75
(1,408)	1:199:A:GLN:HA	1:203:A:TRP:HD1	18	0.75
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	20	0.75
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	15	0.75
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	15	0.75
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	15	0.75
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	15	0.75
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	15	0.75

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	15	0.75
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	15	0.75
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	15	0.75
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	15	0.75
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	18	0.75
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	9	0.75
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	9	0.75
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	11	0.75
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	11	0.75
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG21	20	0.75
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG22	20	0.75
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG23	20	0.75
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG21	20	0.75
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG22	20	0.75
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG23	20	0.75
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	7	0.75
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	20	0.75
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	11	0.75
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	6	0.75
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	18	0.74
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	18	0.74
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	12	0.74
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	12	0.74
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	12	0.74
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	12	0.74
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	12	0.74
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	12	0.74
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	18	0.74
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	18	0.74
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	18	0.74
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	18	0.74
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	18	0.74
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	18	0.74
(1,1751)	1:185:A:LEU:HB2	1:186:A:GLU:H	20	0.74
(1,1751)	1:185:A:LEU:HB3	1:186:A:GLU:H	20	0.74
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	4	0.74
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	4	0.74
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	17	0.74
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	17	0.74
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	17	0.74
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	17	0.74
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	17	0.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	17	0.74
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	17	0.74
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	17	0.74
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	17	0.74
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	17	0.74
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	17	0.74
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	17	0.74
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	20	0.74
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	20	0.74
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	20	0.74
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	20	0.74
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	20	0.74
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	20	0.74
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	20	0.74
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	20	0.74
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	20	0.74
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	20	0.74
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	20	0.74
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	20	0.74
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	10	0.74
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	10	0.74
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	11	0.74
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	11	0.74
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	8	0.74
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	8	0.74
(1,1424)	1:98:A:MET:HG2	1:100:A:ARG:H	15	0.74
(1,1424)	1:98:A:MET:HG3	1:100:A:ARG:H	15	0.74
(1,1358)	1:88:A:ARG:HG2	1:89:A:TYR:H	12	0.74
(1,1358)	1:88:A:ARG:HG3	1:89:A:TYR:H	12	0.74
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	6	0.74
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	6	0.74
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	15	0.74
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG11	14	0.74
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG12	14	0.74
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG13	14	0.74
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG11	19	0.74
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG12	19	0.74
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG13	19	0.74
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	9	0.74
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	14	0.74
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	10	0.74
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	15	0.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	19	0.74
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	9	0.74
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	13	0.74
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	4	0.74
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	4	0.74
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	4	0.74
(1,998)	1:194:A:VAL:HG11	1:199:A:GLN:H	9	0.74
(1,998)	1:194:A:VAL:HG12	1:199:A:GLN:H	9	0.74
(1,998)	1:194:A:VAL:HG13	1:199:A:GLN:H	9	0.74
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	7	0.74
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	20	0.74
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	15	0.74
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	9	0.74
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	9	0.74
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	9	0.74
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	5	0.74
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	18	0.74
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	14	0.74
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	14	0.74
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	14	0.74
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	5	0.74
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	13	0.74
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	13	0.74
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	13	0.74
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	14	0.74
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	14	0.74
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	14	0.74
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	10	0.74
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	6	0.74
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	8	0.74
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	1	0.74
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	1	0.74
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	1	0.74
(1,602)	1:120:A:ASP:HB2	1:123:A:ILE:H	4	0.74
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	11	0.74
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	11	0.74
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	18	0.74
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	14	0.74
(1,537)	1:108:A:LYS:HG2	1:109:A:GLN:H	13	0.74
(1,529)	1:105:A:LEU:HG	1:106:A:MET:H	17	0.74
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	10	0.74
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	10	0.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	10	0.74
(1,493)	1:98:A:MET:HG3	1:99:A:SER:H	6	0.74
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	3	0.74
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	18	0.74
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	9	0.74
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	6	0.74
(1,354)	1:124:A:MET:HG2	1:188:A:ASN:HB3	10	0.74
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	14	0.74
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	14	0.74
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	14	0.74
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	14	0.74
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	10	0.74
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG21	7	0.74
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG22	7	0.74
(1,232)	1:127:A:ASN:HA	1:151:A:THR:HG23	7	0.74
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	1	0.74
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	1	0.74
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	1	0.74
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	1	0.74
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	1	0.74
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	1	0.74
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	4	0.74
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	4	0.74
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	4	0.74
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	4	0.74
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	4	0.74
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	4	0.74
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	5	0.74
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	5	0.74
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	5	0.74
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	5	0.74
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	5	0.74
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	5	0.74
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	13	0.74
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	13	0.74
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	13	0.74
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	13	0.74
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	13	0.74
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	13	0.74
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	5	0.74
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	12	0.74
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	11	0.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	10	0.74
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	10	0.74
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	10	0.74
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	1	0.73
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	1	0.73
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	13	0.73
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	13	0.73
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	14	0.73
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	14	0.73
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	14	0.73
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	14	0.73
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	14	0.73
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	14	0.73
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	19	0.73
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	19	0.73
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	19	0.73
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	19	0.73
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	19	0.73
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	19	0.73
(1,1691)	1:162:A:PRO:HB2	1:169:A:HIS:HE1	9	0.73
(1,1691)	1:162:A:PRO:HB3	1:169:A:HIS:HE1	9	0.73
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	11	0.73
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	11	0.73
(1,1665)	1:147:A:LEU:HD11	1:148:A:ARG:H	3	0.73
(1,1665)	1:147:A:LEU:HD12	1:148:A:ARG:H	3	0.73
(1,1665)	1:147:A:LEU:HD13	1:148:A:ARG:H	3	0.73
(1,1665)	1:147:A:LEU:HD21	1:148:A:ARG:H	3	0.73
(1,1665)	1:147:A:LEU:HD22	1:148:A:ARG:H	3	0.73
(1,1665)	1:147:A:LEU:HD23	1:148:A:ARG:H	3	0.73
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	13	0.73
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	13	0.73
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	17	0.73
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	17	0.73
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	17	0.73
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	17	0.73
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	17	0.73
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	17	0.73
(1,1603)	1:126:A:LYS:HB2	1:151:A:THR:HG21	19	0.73
(1,1603)	1:126:A:LYS:HB2	1:151:A:THR:HG22	19	0.73
(1,1603)	1:126:A:LYS:HB2	1:151:A:THR:HG23	19	0.73
(1,1603)	1:126:A:LYS:HB3	1:151:A:THR:HG21	19	0.73
(1,1603)	1:126:A:LYS:HB3	1:151:A:THR:HG22	19	0.73

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1603)	1:126:A:LYS:HB3	1:151:A:THR:HG23	19	0.73
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	8	0.73
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	8	0.73
(1,1590)	1:124:A:MET:HB2	1:125:A:ASP:HB3	14	0.73
(1,1590)	1:124:A:MET:HB3	1:125:A:ASP:HB3	14	0.73
(1,1569)	1:121:A:GLN:H	1:121:A:GLN:HG2	2	0.73
(1,1569)	1:121:A:GLN:H	1:121:A:GLN:HG3	2	0.73
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	10	0.73
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	10	0.73
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	20	0.73
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	20	0.73
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	10	0.73
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	10	0.73
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	10	0.73
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	10	0.73
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	19	0.73
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	19	0.73
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	19	0.73
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	19	0.73
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	19	0.73
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	19	0.73
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	19	0.73
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	19	0.73
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	19	0.73
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	19	0.73
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	19	0.73
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	19	0.73
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	11	0.73
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	11	0.73
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	11	0.73
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	11	0.73
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	11	0.73
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	11	0.73
(1,1391)	1:94:A:THR:H	1:97:A:GLU:HG2	13	0.73
(1,1391)	1:94:A:THR:H	1:97:A:GLU:HG3	13	0.73
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG11	11	0.73
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG12	11	0.73
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG13	11	0.73
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG21	11	0.73
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG22	11	0.73
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG23	11	0.73
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG11	11	0.73

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG12	11	0.73
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG13	11	0.73
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG21	11	0.73
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG22	11	0.73
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG23	11	0.73
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG11	10	0.73
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG12	10	0.73
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG13	10	0.73
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG11	17	0.73
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG12	17	0.73
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG13	17	0.73
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	13	0.73
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	20	0.73
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	2	0.73
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	12	0.73
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	12	0.73
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	12	0.73
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	15	0.73
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	19	0.73
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG2	12	0.73
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG3	12	0.73
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	5	0.73
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	7	0.73
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	14	0.73
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	16	0.73
(1,908)	1:182:A:ILE:HG21	1:184:A:GLY:H	4	0.73
(1,908)	1:182:A:ILE:HG22	1:184:A:GLY:H	4	0.73
(1,908)	1:182:A:ILE:HG23	1:184:A:GLY:H	4	0.73
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	5	0.73
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	5	0.73
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	5	0.73
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	5	0.73
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	5	0.73
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	5	0.73
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	15	0.73
(1,800)	1:148:A:ARG:HA	1:159:A:GLU:H	5	0.73
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	2	0.73
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	11	0.73
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	17	0.73
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	7	0.73
(1,719)	1:146:A:LEU:HG	1:147:A:LEU:H	19	0.73
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	1	0.73

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:127:A:ASN:H	1:191:A:THR:HB	16	0.73
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	17	0.73
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	7	0.73
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	13	0.73
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	4	0.73
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	4	0.73
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	4	0.73
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	15	0.73
(1,537)	1:108:A:LYS:HG2	1:109:A:GLN:H	2	0.73
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	18	0.73
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	18	0.73
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	18	0.73
(1,443)	1:88:A:ARG:HG3	1:89:A:TYR:H	14	0.73
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	6	0.73
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	6	0.73
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	6	0.73
(1,364)	1:190:A:ASN:HB3	1:191:A:THR:HB	8	0.73
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	15	0.73
(1,357)	1:121:A:GLN:HA	1:188:A:ASN:HD22	16	0.73
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	3	0.73
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	1	0.73
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	9	0.73
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD11	17	0.73
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD12	17	0.73
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD13	17	0.73
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD11	17	0.73
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD12	17	0.73
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD13	17	0.73
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	10	0.73
(1,175)	1:87:A:SER:HB2	1:136:A:VAL:H	15	0.73
(1,175)	1:87:A:SER:HB3	1:136:A:VAL:H	15	0.73
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	2	0.73
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	2	0.73
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	2	0.73
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	10	0.73
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	10	0.73
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	10	0.73
(1,121)	1:125:A:ASP:H	1:188:A:ASN:HB3	9	0.73
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	2	0.73
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE1	3	0.73
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE2	3	0.73
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE3	3	0.73

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE1	11	0.73
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE2	11	0.73
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE3	11	0.73
(1,29)	1:90:A:LEU:HD21	1:197:A:THR:HB	12	0.73
(1,29)	1:90:A:LEU:HD22	1:197:A:THR:HB	12	0.73
(1,29)	1:90:A:LEU:HD23	1:197:A:THR:HB	12	0.73
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	19	0.73
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	19	0.73
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	19	0.73
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	19	0.73
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	10	0.73
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	13	0.73
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	8	0.73
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	8	0.73
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	8	0.73
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	8	0.73
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	12	0.72
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	12	0.72
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG11	9	0.72
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG12	9	0.72
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG13	9	0.72
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG21	9	0.72
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG22	9	0.72
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG23	9	0.72
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG11	9	0.72
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG12	9	0.72
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG13	9	0.72
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG21	9	0.72
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG22	9	0.72
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG23	9	0.72
(1,1751)	1:185:A:LEU:HB2	1:186:A:GLU:H	9	0.72
(1,1751)	1:185:A:LEU:HB3	1:186:A:GLU:H	9	0.72
(1,1751)	1:185:A:LEU:HB2	1:186:A:GLU:H	14	0.72
(1,1751)	1:185:A:LEU:HB3	1:186:A:GLU:H	14	0.72
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA2	4	0.72
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA3	4	0.72
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA2	4	0.72
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA3	4	0.72
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA2	4	0.72
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA3	4	0.72
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA2	17	0.72
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA3	17	0.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA2	17	0.72
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA3	17	0.72
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA2	17	0.72
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA3	17	0.72
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	12	0.72
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	12	0.72
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	12	0.72
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	12	0.72
(1,1615)	1:128:A:ILE:HG12	1:152:A:GLU:H	16	0.72
(1,1615)	1:128:A:ILE:HG13	1:152:A:GLU:H	16	0.72
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	12	0.72
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	12	0.72
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG12	15	0.72
(1,1606)	1:127:A:ASN:H	1:128:A:ILE:HG13	15	0.72
(1,1602)	1:126:A:LYS:HB2	1:151:A:THR:HA	19	0.72
(1,1602)	1:126:A:LYS:HB3	1:151:A:THR:HA	19	0.72
(1,1590)	1:124:A:MET:HB2	1:125:A:ASP:HB3	1	0.72
(1,1590)	1:124:A:MET:HB3	1:125:A:ASP:HB3	1	0.72
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	2	0.72
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	2	0.72
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	2	0.72
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	2	0.72
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	2	0.72
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	2	0.72
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG11	5	0.72
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG12	5	0.72
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG13	5	0.72
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG21	5	0.72
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG22	5	0.72
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG23	5	0.72
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	3	0.72
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	3	0.72
(1,1496)	1:108:A:LYS:HD2	1:109:A:GLN:H	10	0.72
(1,1496)	1:108:A:LYS:HD3	1:109:A:GLN:H	10	0.72
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	2	0.72
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	2	0.72
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	2	0.72
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	2	0.72
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	2	0.72
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	2	0.72
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	2	0.72
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	2	0.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	8	0.72
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	8	0.72
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	12	0.72
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	12	0.72
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	13	0.72
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	13	0.72
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	1	0.72
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	1	0.72
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	18	0.72
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	18	0.72
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	18	0.72
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	18	0.72
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	18	0.72
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	18	0.72
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	1	0.72
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	1	0.72
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	1	0.72
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	1	0.72
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	1	0.72
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	1	0.72
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	4	0.72
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	4	0.72
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	4	0.72
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	20	0.72
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	13	0.72
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	18	0.72
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	9	0.72
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	11	0.72
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	16	0.72
(1,1257)	1:174:A:VAL:HB	1:175:A:LYS:H	3	0.72
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	10	0.72
(1,1208)	1:128:A:ILE:HG21	1:151:A:THR:H	16	0.72
(1,1208)	1:128:A:ILE:HG22	1:151:A:THR:H	16	0.72
(1,1208)	1:128:A:ILE:HG23	1:151:A:THR:H	16	0.72
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	14	0.72
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	14	0.72
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	14	0.72
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	2	0.72
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	7	0.72
(1,1018)	1:203:A:TRP:H	1:204:A:ARG:HB2	16	0.72
(1,1018)	1:203:A:TRP:H	1:204:A:ARG:HB3	16	0.72
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	17	0.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	7	0.72
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	17	0.72
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	18	0.72
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	18	0.72
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	16	0.72
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	16	0.72
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	16	0.72
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	18	0.72
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	18	0.72
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	18	0.72
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	7	0.72
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	20	0.72
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	20	0.72
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	20	0.72
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	20	0.72
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	20	0.72
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	20	0.72
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	8	0.72
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	8	0.72
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	8	0.72
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	16	0.72
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	16	0.72
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	16	0.72
(1,642)	1:127:A:ASN:H	1:191:A:THR:HB	15	0.72
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	12	0.72
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	2	0.72
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	4	0.72
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	8	0.72
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	8	0.72
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	6	0.72
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	16	0.72
(1,430)	1:137:A:ILE:H	1:142:A:GLU:H	16	0.72
(1,403)	1:194:A:VAL:HG11	1:203:A:TRP:HB2	9	0.72
(1,403)	1:194:A:VAL:HG12	1:203:A:TRP:HB2	9	0.72
(1,403)	1:194:A:VAL:HG13	1:203:A:TRP:HB2	9	0.72
(1,401)	1:178:A:VAL:HG11	1:203:A:TRP:HA	13	0.72
(1,401)	1:178:A:VAL:HG12	1:203:A:TRP:HA	13	0.72
(1,401)	1:178:A:VAL:HG13	1:203:A:TRP:HA	13	0.72
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	13	0.72
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	13	0.72
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	13	0.72
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	2	0.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	6	0.72
(1,176)	1:136:A:VAL:HG21	1:137:A:ILE:H	12	0.72
(1,176)	1:136:A:VAL:HG22	1:137:A:ILE:H	12	0.72
(1,176)	1:136:A:VAL:HG23	1:137:A:ILE:H	12	0.72
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	4	0.72
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	4	0.72
(1,148)	1:130:A:LEU:HG	1:194:A:VAL:HA	11	0.72
(1,148)	1:130:A:LEU:HG	1:194:A:VAL:HA	18	0.72
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	13	0.72
(1,144)	1:129:A:ILE:HG13	1:130:A:LEU:H	17	0.72
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	11	0.72
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	9	0.72
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB2	15	0.72
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB3	15	0.72
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB2	15	0.72
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB3	15	0.72
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD2	15	0.71
(1,1797)	1:199:A:GLN:H	1:200:A:ARG:HD3	15	0.71
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	11	0.71
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	11	0.71
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	11	0.71
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	11	0.71
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	11	0.71
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	11	0.71
(1,1751)	1:185:A:LEU:HB2	1:186:A:GLU:H	7	0.71
(1,1751)	1:185:A:LEU:HB3	1:186:A:GLU:H	7	0.71
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA2	1	0.71
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA3	1	0.71
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA2	1	0.71
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA3	1	0.71
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA2	1	0.71
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA3	1	0.71
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	18	0.71
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	18	0.71
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	18	0.71
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	18	0.71
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	18	0.71
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	18	0.71
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	18	0.71
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	18	0.71
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	18	0.71
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	18	0.71

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	18	0.71
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	18	0.71
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	17	0.71
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	17	0.71
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	17	0.71
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	17	0.71
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	17	0.71
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	17	0.71
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	18	0.71
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	18	0.71
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	18	0.71
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	18	0.71
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	18	0.71
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	18	0.71
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	2	0.71
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	2	0.71
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	16	0.71
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	16	0.71
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	16	0.71
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	16	0.71
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	16	0.71
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	16	0.71
(1,1456)	1:104:A:MET:H	1:104:A:MET:HG2	6	0.71
(1,1456)	1:104:A:MET:H	1:104:A:MET:HG3	6	0.71
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	16	0.71
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	16	0.71
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	16	0.71
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	16	0.71
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	8	0.71
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	8	0.71
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	8	0.71
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	8	0.71
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	8	0.71
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	8	0.71
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	3	0.71
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	3	0.71
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	18	0.71
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG11	1	0.71
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG12	1	0.71
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG13	1	0.71
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG11	4	0.71
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG12	4	0.71

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG13	4	0.71
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	14	0.71
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	1	0.71
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	3	0.71
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	19	0.71
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	19	0.71
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	7	0.71
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	7	0.71
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	7	0.71
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	3	0.71
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	3	0.71
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	3	0.71
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	4	0.71
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	1	0.71
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	18	0.71
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	1	0.71
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	11	0.71
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	3	0.71
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	3	0.71
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	3	0.71
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	19	0.71
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	19	0.71
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	19	0.71
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	14	0.71
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	14	0.71
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	19	0.71
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	13	0.71
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	13	0.71
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	13	0.71
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	16	0.71
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	16	0.71
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	16	0.71
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	18	0.71
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	18	0.71
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	18	0.71
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	10	0.71
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	10	0.71
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	10	0.71
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	20	0.71
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	20	0.71
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	20	0.71
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG21	2	0.71

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG22	2	0.71
(1,608)	1:123:A:ILE:H	1:157:A:VAL:HG23	2	0.71
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	3	0.71
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	16	0.71
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	7	0.71
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	18	0.71
(1,542)	1:111:A:VAL:H	1:111:A:VAL:HB	11	0.71
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	12	0.71
(1,458)	1:90:A:LEU:HD21	1:91:A:THR:H	1	0.71
(1,458)	1:90:A:LEU:HD22	1:91:A:THR:H	1	0.71
(1,458)	1:90:A:LEU:HD23	1:91:A:THR:H	1	0.71
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	9	0.71
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	9	0.71
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	4	0.71
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	4	0.71
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	4	0.71
(1,398)	1:200:A:ARG:H	1:203:A:TRP:HB2	11	0.71
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	11	0.71
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	11	0.71
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	11	0.71
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	11	0.71
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	20	0.71
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	20	0.71
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	20	0.71
(1,303)	1:115:A:LEU:HG	1:174:A:VAL:HA	3	0.71
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	9	0.71
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	20	0.71
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	20	0.71
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	20	0.71
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	20	0.71
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	20	0.71
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	20	0.71
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	3	0.71
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	20	0.71
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	9	0.71
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE1	20	0.71
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE2	20	0.71
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE3	20	0.71
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	2	0.71
(1,2)	1:136:A:VAL:HA	1:142:A:GLU:H	8	0.71
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	8	0.7
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	8	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1751)	1:185:A:LEU:HB2	1:186:A:GLU:H	18	0.7
(1,1751)	1:185:A:LEU:HB3	1:186:A:GLU:H	18	0.7
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	3	0.7
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	3	0.7
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	15	0.7
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	15	0.7
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	15	0.7
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	15	0.7
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	15	0.7
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	15	0.7
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	15	0.7
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	15	0.7
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	15	0.7
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	15	0.7
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	15	0.7
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	15	0.7
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	12	0.7
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	12	0.7
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	12	0.7
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	12	0.7
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	12	0.7
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	12	0.7
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	4	0.7
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	4	0.7
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	8	0.7
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	8	0.7
(1,1590)	1:124:A:MET:HB2	1:125:A:ASP:HB3	10	0.7
(1,1590)	1:124:A:MET:HB3	1:125:A:ASP:HB3	10	0.7
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	20	0.7
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	20	0.7
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	20	0.7
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	20	0.7
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	20	0.7
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	20	0.7
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	20	0.7
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	20	0.7
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	20	0.7
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	20	0.7
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	20	0.7
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	20	0.7
(1,1346)	1:178:A:VAL:HG11	1:203:A:TRP:HZ2	2	0.7
(1,1346)	1:178:A:VAL:HG12	1:203:A:TRP:HZ2	2	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:178:A:VAL:HG13	1:203:A:TRP:HZ2	2	0.7
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	4	0.7
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	4	0.7
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	4	0.7
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	4	0.7
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	4	0.7
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	4	0.7
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	5	0.7
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	20	0.7
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	6	0.7
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	16	0.7
(1,1271)	1:178:A:VAL:HB	1:179:A:GLY:H	18	0.7
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	18	0.7
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	15	0.7
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	15	0.7
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	15	0.7
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	15	0.7
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	7	0.7
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	8	0.7
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG2	2	0.7
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG3	2	0.7
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	2	0.7
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	14	0.7
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	1	0.7
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	4	0.7
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	7	0.7
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	9	0.7
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	11	0.7
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	4	0.7
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	14	0.7
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	3	0.7
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	7	0.7
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	7	0.7
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	12	0.7
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	12	0.7
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	17	0.7
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	17	0.7
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	17	0.7
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	17	0.7
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	6	0.7
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	6	0.7
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	19	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	19	0.7
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	19	0.7
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	20	0.7
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	20	0.7
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	20	0.7
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	13	0.7
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	5	0.7
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	5	0.7
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	7	0.7
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	7	0.7
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	7	0.7
(1,601)	1:120:A:ASP:HA	1:123:A:ILE:H	12	0.7
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	7	0.7
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	18	0.7
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	7	0.7
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	15	0.7
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	15	0.7
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	15	0.7
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	17	0.7
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	8	0.7
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	8	0.7
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	8	0.7
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	8	0.7
(1,443)	1:88:A:ARG:HG3	1:89:A:TYR:H	19	0.7
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	12	0.7
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	6	0.7
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	6	0.7
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	6	0.7
(1,402)	1:194:A:VAL:HB	1:203:A:TRP:HB2	3	0.7
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	2	0.7
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	11	0.7
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	6	0.7
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	6	0.7
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	6	0.7
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	6	0.7
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	6	0.7
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	6	0.7
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	19	0.7
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	19	0.7
(1,205)	1:147:A:LEU:HA	1:159:A:GLU:HA	2	0.7
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	4	0.7
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	4	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	1	0.7
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	1	0.7
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	1	0.7
(1,14)	1:146:A:LEU:HG	1:161:A:SER:HA	4	0.7
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	8	0.69
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	8	0.69
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG11	18	0.69
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG12	18	0.69
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG13	18	0.69
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG21	18	0.69
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG22	18	0.69
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG23	18	0.69
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG11	18	0.69
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG12	18	0.69
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG13	18	0.69
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG21	18	0.69
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG22	18	0.69
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG23	18	0.69
(1,1751)	1:185:A:LEU:HB2	1:186:A:GLU:H	12	0.69
(1,1751)	1:185:A:LEU:HB3	1:186:A:GLU:H	12	0.69
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA2	8	0.69
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA3	8	0.69
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA2	8	0.69
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA3	8	0.69
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA2	8	0.69
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA3	8	0.69
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	10	0.69
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	10	0.69
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	10	0.69
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	10	0.69
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	10	0.69
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	10	0.69
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	16	0.69
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	16	0.69
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	16	0.69
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	16	0.69
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	16	0.69
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	16	0.69
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	6	0.69
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	6	0.69
(1,1590)	1:124:A:MET:HB2	1:125:A:ASP:HB3	3	0.69
(1,1590)	1:124:A:MET:HB3	1:125:A:ASP:HB3	3	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	8	0.69
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	8	0.69
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	8	0.69
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	8	0.69
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	8	0.69
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	8	0.69
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	8	0.69
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	8	0.69
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	8	0.69
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	8	0.69
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	8	0.69
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	8	0.69
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	8	0.69
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	8	0.69
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	8	0.69
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	8	0.69
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	8	0.69
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	8	0.69
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	15	0.69
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	15	0.69
(1,1496)	1:108:A:LYS:HD2	1:109:A:GLN:H	20	0.69
(1,1496)	1:108:A:LYS:HD3	1:109:A:GLN:H	20	0.69
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	17	0.69
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	17	0.69
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	4	0.69
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	4	0.69
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	15	0.69
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	15	0.69
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	16	0.69
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	16	0.69
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	16	0.69
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	16	0.69
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	18	0.69
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	18	0.69
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	18	0.69
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	18	0.69
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	18	0.69
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	18	0.69
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	5	0.69
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	5	0.69
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	16	0.69
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	16	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG11	15	0.69
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG12	15	0.69
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG13	15	0.69
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG21	15	0.69
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG22	15	0.69
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG23	15	0.69
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG11	15	0.69
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG12	15	0.69
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG13	15	0.69
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG21	15	0.69
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG22	15	0.69
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG23	15	0.69
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD11	14	0.69
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD12	14	0.69
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD13	14	0.69
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD21	14	0.69
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD22	14	0.69
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD23	14	0.69
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD11	14	0.69
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD12	14	0.69
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD13	14	0.69
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD21	14	0.69
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD22	14	0.69
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD23	14	0.69
(1,1358)	1:88:A:ARG:HG2	1:89:A:TYR:H	1	0.69
(1,1358)	1:88:A:ARG:HG3	1:89:A:TYR:H	1	0.69
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	2	0.69
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	8	0.69
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	12	0.69
(1,1282)	1:181:A:LEU:HG	1:184:A:GLY:H	19	0.69
(1,1271)	1:178:A:VAL:HB	1:179:A:GLY:H	13	0.69
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG21	4	0.69
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG22	4	0.69
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG23	4	0.69
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	3	0.69
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	3	0.69
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	3	0.69
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	16	0.69
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	1	0.69
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	16	0.69
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	9	0.69
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	15	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1025)	1:105:A:LEU:HG	1:122:A:ALA:HB1	15	0.69
(1,1025)	1:105:A:LEU:HG	1:122:A:ALA:HB2	15	0.69
(1,1025)	1:105:A:LEU:HG	1:122:A:ALA:HB3	15	0.69
(1,1011)	1:201:A:PHE:H	1:203:A:TRP:H	12	0.69
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	9	0.69
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	6	0.69
(1,871)	1:178:A:VAL:H	1:178:A:VAL:HB	12	0.69
(1,871)	1:178:A:VAL:H	1:178:A:VAL:HB	13	0.69
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	13	0.69
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	13	0.69
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	16	0.69
(1,703)	1:137:A:ILE:HB	1:140:A:ARG:H	11	0.69
(1,695)	1:137:A:ILE:H	1:139:A:ASP:HA	3	0.69
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	13	0.69
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	7	0.69
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	11	0.69
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	12	0.69
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	16	0.69
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	18	0.69
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	7	0.69
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	7	0.69
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	12	0.69
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	7	0.69
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	7	0.69
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	7	0.69
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	6	0.69
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	6	0.69
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	6	0.69
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	2	0.69
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	10	0.69
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	17	0.69
(1,497)	1:100:A:ARG:H	1:100:A:ARG:HG2	9	0.69
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	11	0.69
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	12	0.69
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	18	0.69
(1,430)	1:137:A:ILE:H	1:142:A:GLU:H	9	0.69
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	7	0.69
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	7	0.69
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	7	0.69
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	17	0.69
(1,320)	1:178:A:VAL:HG21	1:203:A:TRP:HB2	16	0.69
(1,320)	1:178:A:VAL:HG22	1:203:A:TRP:HB2	16	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:178:A:VAL:HG23	1:203:A:TRP:HB2	16	0.69
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	13	0.69
(1,194)	1:144:A:LEU:HD11	1:146:A:LEU:HA	5	0.69
(1,194)	1:144:A:LEU:HD12	1:146:A:LEU:HA	5	0.69
(1,194)	1:144:A:LEU:HD13	1:146:A:LEU:HA	5	0.69
(1,194)	1:144:A:LEU:HD21	1:146:A:LEU:HA	5	0.69
(1,194)	1:144:A:LEU:HD22	1:146:A:LEU:HA	5	0.69
(1,194)	1:144:A:LEU:HD23	1:146:A:LEU:HA	5	0.69
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	17	0.69
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	18	0.69
(1,29)	1:90:A:LEU:HD21	1:197:A:THR:HB	15	0.69
(1,29)	1:90:A:LEU:HD22	1:197:A:THR:HB	15	0.69
(1,29)	1:90:A:LEU:HD23	1:197:A:THR:HB	15	0.69
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG2	7	0.69
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG3	7	0.69
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	5	0.69
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	5	0.69
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	5	0.69
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	5	0.69
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	8	0.69
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	5	0.69
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	5	0.69
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	5	0.69
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	5	0.69
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA2	3	0.68
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA3	3	0.68
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA2	3	0.68
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA3	3	0.68
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA2	3	0.68
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA3	3	0.68
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA2	10	0.68
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA3	10	0.68
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA2	10	0.68
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA3	10	0.68
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA2	10	0.68
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA3	10	0.68
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA2	19	0.68
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA3	19	0.68
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA2	19	0.68
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA3	19	0.68
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA2	19	0.68
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA3	19	0.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB2	12	0.68
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB3	12	0.68
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB2	12	0.68
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB3	12	0.68
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB2	14	0.68
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB3	14	0.68
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB2	14	0.68
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB3	14	0.68
(1,1693)	1:162:A:PRO:HG2	1:169:A:HIS:HE1	7	0.68
(1,1693)	1:162:A:PRO:HG3	1:169:A:HIS:HE1	7	0.68
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	2	0.68
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	2	0.68
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	5	0.68
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	5	0.68
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	5	0.68
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	5	0.68
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	5	0.68
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	5	0.68
(1,1537)	1:115:A:LEU:HD11	1:161:A:SER:HA	14	0.68
(1,1537)	1:115:A:LEU:HD12	1:161:A:SER:HA	14	0.68
(1,1537)	1:115:A:LEU:HD13	1:161:A:SER:HA	14	0.68
(1,1537)	1:115:A:LEU:HD21	1:161:A:SER:HA	14	0.68
(1,1537)	1:115:A:LEU:HD22	1:161:A:SER:HA	14	0.68
(1,1537)	1:115:A:LEU:HD23	1:161:A:SER:HA	14	0.68
(1,1496)	1:108:A:LYS:HD2	1:109:A:GLN:H	7	0.68
(1,1496)	1:108:A:LYS:HD3	1:109:A:GLN:H	7	0.68
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	1	0.68
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	1	0.68
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD11	11	0.68
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD12	11	0.68
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD13	11	0.68
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD11	11	0.68
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD12	11	0.68
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD13	11	0.68
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	8	0.68
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	8	0.68
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	8	0.68
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	8	0.68
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	9	0.68
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	9	0.68
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	9	0.68
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	9	0.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	9	0.68
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	9	0.68
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	9	0.68
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	9	0.68
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	14	0.68
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	14	0.68
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	14	0.68
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	14	0.68
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	14	0.68
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	14	0.68
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	14	0.68
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	14	0.68
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	14	0.68
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	14	0.68
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	14	0.68
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	14	0.68
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	6	0.68
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	6	0.68
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	6	0.68
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	6	0.68
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	6	0.68
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	6	0.68
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	13	0.68
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	13	0.68
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	13	0.68
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	13	0.68
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	13	0.68
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	13	0.68
(1,1391)	1:94:A:THR:H	1:97:A:GLU:HG2	14	0.68
(1,1391)	1:94:A:THR:H	1:97:A:GLU:HG3	14	0.68
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	2	0.68
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	2	0.68
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	3	0.68
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	3	0.68
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	3	0.68
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	3	0.68
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	3	0.68
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	3	0.68
(1,1372)	1:90:A:LEU:HD11	1:136:A:VAL:H	14	0.68
(1,1372)	1:90:A:LEU:HD12	1:136:A:VAL:H	14	0.68
(1,1372)	1:90:A:LEU:HD13	1:136:A:VAL:H	14	0.68
(1,1372)	1:90:A:LEU:HD21	1:136:A:VAL:H	14	0.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:90:A:LEU:HD22	1:136:A:VAL:H	14	0.68
(1,1372)	1:90:A:LEU:HD23	1:136:A:VAL:H	14	0.68
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	14	0.68
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	15	0.68
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	18	0.68
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	9	0.68
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	9	0.68
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	9	0.68
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	11	0.68
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	7	0.68
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	17	0.68
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	7	0.68
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	3	0.68
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	2	0.68
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	13	0.68
(1,977)	1:193:A:ARG:H	1:193:A:ARG:HD2	10	0.68
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	7	0.68
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	10	0.68
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	2	0.68
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	2	0.68
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	2	0.68
(1,848)	1:174:A:VAL:H	1:175:A:LYS:HA	13	0.68
(1,795)	1:158:A:GLY:H	1:159:A:GLU:HB3	4	0.68
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	17	0.68
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	16	0.68
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	16	0.68
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	16	0.68
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	16	0.68
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	16	0.68
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	16	0.68
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	12	0.68
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	12	0.68
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	12	0.68
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	15	0.68
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	15	0.68
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	15	0.68
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	2	0.68
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	15	0.68
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	17	0.68
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	20	0.68
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	7	0.68
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	13	0.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	5	0.68
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	17	0.68
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	20	0.68
(1,497)	1:100:A:ARG:H	1:100:A:ARG:HG2	13	0.68
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	8	0.68
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	10	0.68
(1,443)	1:88:A:ARG:HG3	1:89:A:TYR:H	4	0.68
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	14	0.68
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	14	0.68
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	14	0.68
(1,426)	1:115:A:LEU:HG	1:174:A:VAL:H	20	0.68
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	4	0.68
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	4	0.68
(1,411)	1:202:A:ALA:HB1	1:203:A:TRP:HE3	7	0.68
(1,411)	1:202:A:ALA:HB2	1:203:A:TRP:HE3	7	0.68
(1,411)	1:202:A:ALA:HB3	1:203:A:TRP:HE3	7	0.68
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	5	0.68
(1,304)	1:173:A:ASP:HA	1:174:A:VAL:HA	3	0.68
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG2	4	0.68
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG3	4	0.68
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG2	4	0.68
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG3	4	0.68
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG2	4	0.68
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG3	4	0.68
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG2	16	0.68
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG3	16	0.68
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG21	13	0.68
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG22	13	0.68
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG23	13	0.68
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	20	0.68
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	20	0.68
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	20	0.68
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD11	12	0.68
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD12	12	0.68
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD13	12	0.68
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD11	12	0.68
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD12	12	0.68
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD13	12	0.68
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	15	0.68
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	15	0.68
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	17	0.68
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	8	0.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD11	9	0.68
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD12	9	0.68
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD13	9	0.68
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD11	9	0.68
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD12	9	0.68
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD13	9	0.68
(1,11)	1:191:A:THR:HA	1:192:A:VAL:HB	5	0.68
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	3	0.68
(1,1812)	1:200:A:ARG:HB2	1:203:A:TRP:H	16	0.67
(1,1812)	1:200:A:ARG:HB3	1:203:A:TRP:H	16	0.67
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	2	0.67
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	2	0.67
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA2	6	0.67
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA3	6	0.67
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA2	6	0.67
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA3	6	0.67
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA2	6	0.67
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA3	6	0.67
(1,1708)	1:171:A:ASP:HB2	1:175:A:LYS:HB2	12	0.67
(1,1708)	1:171:A:ASP:HB2	1:175:A:LYS:HB3	12	0.67
(1,1708)	1:171:A:ASP:HB3	1:175:A:LYS:HB2	12	0.67
(1,1708)	1:171:A:ASP:HB3	1:175:A:LYS:HB3	12	0.67
(1,1693)	1:162:A:PRO:HG2	1:169:A:HIS:HE1	18	0.67
(1,1693)	1:162:A:PRO:HG3	1:169:A:HIS:HE1	18	0.67
(1,1622)	1:129:A:ILE:HD11	1:193:A:ARG:HB2	16	0.67
(1,1622)	1:129:A:ILE:HD11	1:193:A:ARG:HB3	16	0.67
(1,1622)	1:129:A:ILE:HD12	1:193:A:ARG:HB2	16	0.67
(1,1622)	1:129:A:ILE:HD12	1:193:A:ARG:HB3	16	0.67
(1,1622)	1:129:A:ILE:HD13	1:193:A:ARG:HB2	16	0.67
(1,1622)	1:129:A:ILE:HD13	1:193:A:ARG:HB3	16	0.67
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	2	0.67
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	2	0.67
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	2	0.67
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	2	0.67
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	2	0.67
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	2	0.67
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	4	0.67
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	4	0.67
(1,1496)	1:108:A:LYS:HD2	1:109:A:GLN:H	15	0.67
(1,1496)	1:108:A:LYS:HD3	1:109:A:GLN:H	15	0.67
(1,1496)	1:108:A:LYS:HD2	1:109:A:GLN:H	16	0.67
(1,1496)	1:108:A:LYS:HD3	1:109:A:GLN:H	16	0.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	17	0.67
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	17	0.67
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	19	0.67
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	19	0.67
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG2	3	0.67
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG3	3	0.67
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG2	3	0.67
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG3	3	0.67
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	17	0.67
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	17	0.67
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	11	0.67
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	11	0.67
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	11	0.67
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	11	0.67
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	11	0.67
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	11	0.67
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	11	0.67
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	11	0.67
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	11	0.67
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	11	0.67
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	11	0.67
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	11	0.67
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	10	0.67
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	10	0.67
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	10	0.67
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	10	0.67
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	10	0.67
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	10	0.67
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	3	0.67
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	3	0.67
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	10	0.67
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	10	0.67
(1,1376)	1:90:A:LEU:HD11	1:197:A:THR:HG21	8	0.67
(1,1376)	1:90:A:LEU:HD11	1:197:A:THR:HG22	8	0.67
(1,1376)	1:90:A:LEU:HD11	1:197:A:THR:HG23	8	0.67
(1,1376)	1:90:A:LEU:HD12	1:197:A:THR:HG21	8	0.67
(1,1376)	1:90:A:LEU:HD12	1:197:A:THR:HG22	8	0.67
(1,1376)	1:90:A:LEU:HD12	1:197:A:THR:HG23	8	0.67
(1,1376)	1:90:A:LEU:HD13	1:197:A:THR:HG21	8	0.67
(1,1376)	1:90:A:LEU:HD13	1:197:A:THR:HG22	8	0.67
(1,1376)	1:90:A:LEU:HD13	1:197:A:THR:HG23	8	0.67
(1,1376)	1:90:A:LEU:HD21	1:197:A:THR:HG21	8	0.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1376)	1:90:A:LEU:HD21	1:197:A:THR:HG22	8	0.67
(1,1376)	1:90:A:LEU:HD21	1:197:A:THR:HG23	8	0.67
(1,1376)	1:90:A:LEU:HD22	1:197:A:THR:HG21	8	0.67
(1,1376)	1:90:A:LEU:HD22	1:197:A:THR:HG22	8	0.67
(1,1376)	1:90:A:LEU:HD22	1:197:A:THR:HG23	8	0.67
(1,1376)	1:90:A:LEU:HD23	1:197:A:THR:HG21	8	0.67
(1,1376)	1:90:A:LEU:HD23	1:197:A:THR:HG22	8	0.67
(1,1376)	1:90:A:LEU:HD23	1:197:A:THR:HG23	8	0.67
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	15	0.67
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	4	0.67
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	7	0.67
(1,1271)	1:178:A:VAL:HB	1:179:A:GLY:H	11	0.67
(1,1262)	1:176:A:ASN:H	1:177:A:ALA:HA	17	0.67
(1,1175)	1:135:A:SER:H	1:144:A:LEU:HA	9	0.67
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	19	0.67
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	19	0.67
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	19	0.67
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	12	0.67
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	4	0.67
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	18	0.67
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	18	0.67
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	2	0.67
(1,937)	1:188:A:ASN:H	1:190:A:ASN:H	9	0.67
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	11	0.67
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	19	0.67
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	4	0.67
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	4	0.67
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	10	0.67
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	10	0.67
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	10	0.67
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	19	0.67
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	3	0.67
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	15	0.67
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	17	0.67
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	1	0.67
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	9	0.67
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	1	0.67
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	14	0.67
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	6	0.67
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD11	14	0.67
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD12	14	0.67
(1,514)	1:103:A:PHE:H	1:156:A:ILE:HD13	14	0.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	5	0.67
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	11	0.67
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	12	0.67
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	10	0.67
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	10	0.67
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	5	0.67
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	15	0.67
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	15	0.67
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	15	0.67
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	10	0.67
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	18	0.67
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	18	0.67
(1,303)	1:115:A:LEU:HG	1:174:A:VAL:HA	10	0.67
(1,303)	1:115:A:LEU:HG	1:174:A:VAL:HA	14	0.67
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD11	10	0.67
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD12	10	0.67
(1,285)	1:160:A:ILE:HA	1:181:A:LEU:HD13	10	0.67
(1,257)	1:100:A:ARG:HD2	1:156:A:ILE:HD11	14	0.67
(1,257)	1:100:A:ARG:HD2	1:156:A:ILE:HD12	14	0.67
(1,257)	1:100:A:ARG:HD2	1:156:A:ILE:HD13	14	0.67
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	16	0.67
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	10	0.67
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	10	0.67
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	10	0.67
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	10	0.67
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	10	0.67
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	10	0.67
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	19	0.67
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	19	0.67
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	19	0.67
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	19	0.67
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	19	0.67
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	19	0.67
(1,182)	1:87:A:SER:HA	1:137:A:ILE:HB	7	0.67
(1,147)	1:130:A:LEU:HD21	1:149:A:ALA:HA	7	0.67
(1,147)	1:130:A:LEU:HD22	1:149:A:ALA:HA	7	0.67
(1,147)	1:130:A:LEU:HD23	1:149:A:ALA:HA	7	0.67
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	5	0.67
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	5	0.67
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	5	0.67
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	8	0.67
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	8	0.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	8	0.67
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	10	0.67
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	10	0.67
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	10	0.67
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	10	0.67
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	19	0.66
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	19	0.66
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	4	0.66
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	4	0.66
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	4	0.66
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	4	0.66
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	4	0.66
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	4	0.66
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA2	14	0.66
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA3	14	0.66
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA2	14	0.66
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA3	14	0.66
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA2	14	0.66
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA3	14	0.66
(1,1699)	1:167:A:PRO:HD2	1:168:A:GLY:H	5	0.66
(1,1699)	1:167:A:PRO:HD3	1:168:A:GLY:H	5	0.66
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	20	0.66
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	20	0.66
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	3	0.66
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	3	0.66
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	13	0.66
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	13	0.66
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	13	0.66
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	13	0.66
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	13	0.66
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	13	0.66
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	13	0.66
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	13	0.66
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	13	0.66
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	13	0.66
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	13	0.66
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	13	0.66
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	13	0.66
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	13	0.66
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	13	0.66
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	13	0.66
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	13	0.66

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	13	0.66
(1,1622)	1:129:A:ILE:HD11	1:193:A:ARG:HB2	9	0.66
(1,1622)	1:129:A:ILE:HD11	1:193:A:ARG:HB3	9	0.66
(1,1622)	1:129:A:ILE:HD12	1:193:A:ARG:HB2	9	0.66
(1,1622)	1:129:A:ILE:HD12	1:193:A:ARG:HB3	9	0.66
(1,1622)	1:129:A:ILE:HD13	1:193:A:ARG:HB2	9	0.66
(1,1622)	1:129:A:ILE:HD13	1:193:A:ARG:HB3	9	0.66
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	6	0.66
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	6	0.66
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB2	20	0.66
(1,1597)	1:125:A:ASP:HB3	1:126:A:LYS:HB3	20	0.66
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	20	0.66
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	20	0.66
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	20	0.66
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	20	0.66
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	20	0.66
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	20	0.66
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	11	0.66
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	11	0.66
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	18	0.66
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	18	0.66
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	18	0.66
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	18	0.66
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	18	0.66
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	18	0.66
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	18	0.66
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	18	0.66
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	18	0.66
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	18	0.66
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	18	0.66
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	18	0.66
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	14	0.66
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	14	0.66
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	14	0.66
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	14	0.66
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	14	0.66
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	14	0.66
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	16	0.66
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	16	0.66
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	16	0.66
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	16	0.66
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	16	0.66

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	16	0.66
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	12	0.66
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	12	0.66
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	14	0.66
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	14	0.66
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	14	0.66
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	14	0.66
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	14	0.66
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	14	0.66
(1,1358)	1:88:A:ARG:HG2	1:89:A:TYR:H	15	0.66
(1,1358)	1:88:A:ARG:HG3	1:89:A:TYR:H	15	0.66
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	10	0.66
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	10	0.66
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	10	0.66
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	8	0.66
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	8	0.66
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	8	0.66
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	19	0.66
(1,1278)	1:180:A:VAL:HA	1:183:A:GLY:H	11	0.66
(1,1271)	1:178:A:VAL:HB	1:179:A:GLY:H	7	0.66
(1,1271)	1:178:A:VAL:HB	1:179:A:GLY:H	9	0.66
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG21	10	0.66
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG22	10	0.66
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG23	10	0.66
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	19	0.66
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	19	0.66
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	19	0.66
(1,1193)	1:144:A:LEU:HD11	1:147:A:LEU:H	18	0.66
(1,1193)	1:144:A:LEU:HD12	1:147:A:LEU:H	18	0.66
(1,1193)	1:144:A:LEU:HD13	1:147:A:LEU:H	18	0.66
(1,1193)	1:144:A:LEU:HD21	1:147:A:LEU:H	18	0.66
(1,1193)	1:144:A:LEU:HD22	1:147:A:LEU:H	18	0.66
(1,1193)	1:144:A:LEU:HD23	1:147:A:LEU:H	18	0.66
(1,1191)	1:144:A:LEU:HG	1:146:A:LEU:H	9	0.66
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	5	0.66
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	3	0.66
(1,1111)	1:110:A:LYS:H	1:118:A:ARG:H	6	0.66
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	20	0.66
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	6	0.66
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	6	0.66
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	13	0.66
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	14	0.66

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	19	0.66
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	10	0.66
(1,933)	1:187:A:ARG:HD2	1:188:A:ASN:H	11	0.66
(1,933)	1:187:A:ARG:HD3	1:188:A:ASN:H	11	0.66
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	20	0.66
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	20	0.66
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	9	0.66
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	9	0.66
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	9	0.66
(1,871)	1:178:A:VAL:H	1:178:A:VAL:HB	7	0.66
(1,871)	1:178:A:VAL:H	1:178:A:VAL:HB	9	0.66
(1,871)	1:178:A:VAL:H	1:178:A:VAL:HB	15	0.66
(1,871)	1:178:A:VAL:H	1:178:A:VAL:HB	18	0.66
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	3	0.66
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	3	0.66
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	3	0.66
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	5	0.66
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	5	0.66
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	5	0.66
(1,719)	1:146:A:LEU:HG	1:147:A:LEU:H	3	0.66
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	14	0.66
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	14	0.66
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	15	0.66
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	13	0.66
(1,632)	1:127:A:ASN:H	1:127:A:ASN:HB3	19	0.66
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	9	0.66
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	12	0.66
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	18	0.66
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	19	0.66
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	12	0.66
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	3	0.66
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	1	0.66
(1,497)	1:100:A:ARG:H	1:100:A:ARG:HG2	10	0.66
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	17	0.66
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	2	0.66
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	6	0.66
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	12	0.66
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	16	0.66
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	19	0.66
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	20	0.66
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG21	15	0.66
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG22	15	0.66

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG23	15	0.66
(1,416)	1:182:A:ILE:HG21	1:203:A:TRP:HZ2	1	0.66
(1,416)	1:182:A:ILE:HG22	1:203:A:TRP:HZ2	1	0.66
(1,416)	1:182:A:ILE:HG23	1:203:A:TRP:HZ2	1	0.66
(1,416)	1:182:A:ILE:HG21	1:203:A:TRP:HZ2	19	0.66
(1,416)	1:182:A:ILE:HG22	1:203:A:TRP:HZ2	19	0.66
(1,416)	1:182:A:ILE:HG23	1:203:A:TRP:HZ2	19	0.66
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	8	0.66
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	17	0.66
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	2	0.66
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	2	0.66
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	2	0.66
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	2	0.66
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	11	0.66
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	11	0.66
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	11	0.66
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	11	0.66
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	2	0.66
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	2	0.66
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	2	0.66
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	2	0.66
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	2	0.66
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	2	0.66
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	18	0.66
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	18	0.66
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	18	0.66
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	18	0.66
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	18	0.66
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	18	0.66
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	17	0.66
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	17	0.66
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	2	0.66
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	9	0.66
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	1	0.66
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	17	0.66
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	17	0.66
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	17	0.66
(1,82)	1:115:A:LEU:HD11	1:162:A:PRO:HA	19	0.66
(1,82)	1:115:A:LEU:HD12	1:162:A:PRO:HA	19	0.66
(1,82)	1:115:A:LEU:HD13	1:162:A:PRO:HA	19	0.66
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	6	0.66
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	14	0.66

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	14	0.66
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	14	0.66
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	14	0.66
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	16	0.65
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	16	0.65
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	16	0.65
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	16	0.65
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	16	0.65
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	16	0.65
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA2	2	0.65
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA3	2	0.65
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA2	2	0.65
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA3	2	0.65
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA2	2	0.65
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA3	2	0.65
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA2	5	0.65
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA3	5	0.65
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA2	5	0.65
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA3	5	0.65
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA2	5	0.65
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA3	5	0.65
(1,1698)	1:167:A:PRO:HG2	1:168:A:GLY:H	5	0.65
(1,1698)	1:167:A:PRO:HG3	1:168:A:GLY:H	5	0.65
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	11	0.65
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	11	0.65
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	12	0.65
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	12	0.65
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	12	0.65
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	12	0.65
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	12	0.65
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	12	0.65
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	20	0.65
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	20	0.65
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	20	0.65
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	20	0.65
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	20	0.65
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	20	0.65
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	2	0.65
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	2	0.65
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	17	0.65
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	17	0.65
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	7	0.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	7	0.65
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	6	0.65
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	6	0.65
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	6	0.65
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	6	0.65
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	1	0.65
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	1	0.65
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	1	0.65
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	1	0.65
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	1	0.65
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	1	0.65
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	4	0.65
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	4	0.65
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	4	0.65
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	4	0.65
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	4	0.65
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	4	0.65
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	20	0.65
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	20	0.65
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	8	0.65
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	8	0.65
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	8	0.65
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	8	0.65
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	8	0.65
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	8	0.65
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD1	11	0.65
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD2	11	0.65
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD1	11	0.65
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD2	11	0.65
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD1	11	0.65
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD2	11	0.65
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	19	0.65
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	19	0.65
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	16	0.65
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	13	0.65
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	15	0.65
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	17	0.65
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	2	0.65
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	2	0.65
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	2	0.65
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	10	0.65
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	10	0.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	10	0.65
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	6	0.65
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	19	0.65
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	11	0.65
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	20	0.65
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	20	0.65
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	20	0.65
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	5	0.65
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	12	0.65
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	16	0.65
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	10	0.65
(1,970)	1:192:A:VAL:H	1:192:A:VAL:HB	11	0.65
(1,928)	1:185:A:LEU:HG	1:188:A:ASN:H	12	0.65
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	15	0.65
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	15	0.65
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	15	0.65
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	2	0.65
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	2	0.65
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	2	0.65
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	15	0.65
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	15	0.65
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	15	0.65
(1,817)	1:146:A:LEU:HB2	1:161:A:SER:H	15	0.65
(1,817)	1:146:A:LEU:HB3	1:161:A:SER:H	15	0.65
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	15	0.65
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	15	0.65
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	15	0.65
(1,759)	1:152:A:GLU:H	1:152:A:GLU:HG3	20	0.65
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	7	0.65
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	8	0.65
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	13	0.65
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG21	9	0.65
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG22	9	0.65
(1,656)	1:129:A:ILE:H	1:129:A:ILE:HG23	9	0.65
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	8	0.65
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	11	0.65
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	15	0.65
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	16	0.65
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	4	0.65
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	8	0.65
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	2	0.65
(1,582)	1:120:A:ASP:H	1:159:A:GLU:H	11	0.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	13	0.65
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	7	0.65
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	11	0.65
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	9	0.65
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	9	0.65
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	9	0.65
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	9	0.65
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	9	0.65
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	9	0.65
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	15	0.65
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	20	0.65
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	16	0.65
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	16	0.65
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	16	0.65
(1,352)	1:187:A:ARG:HD2	1:188:A:ASN:HA	3	0.65
(1,352)	1:187:A:ARG:HD3	1:188:A:ASN:HA	3	0.65
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	18	0.65
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	18	0.65
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	18	0.65
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	19	0.65
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	19	0.65
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	19	0.65
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	19	0.65
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	19	0.65
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	19	0.65
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	4	0.65
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	4	0.65
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	4	0.65
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	5	0.65
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	19	0.65
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	2	0.65
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG21	3	0.64
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG22	3	0.64
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG23	3	0.64
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG21	3	0.64
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG22	3	0.64
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG23	3	0.64
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	5	0.64
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	5	0.64
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	5	0.64
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	5	0.64
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	5	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	5	0.64
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	5	0.64
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	5	0.64
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	5	0.64
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	5	0.64
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	5	0.64
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	5	0.64
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	10	0.64
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	10	0.64
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	10	0.64
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	10	0.64
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	10	0.64
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	10	0.64
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	18	0.64
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	18	0.64
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	18	0.64
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	18	0.64
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	18	0.64
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	18	0.64
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	18	0.64
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	18	0.64
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	18	0.64
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	18	0.64
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	18	0.64
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	18	0.64
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	18	0.64
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	18	0.64
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	18	0.64
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	18	0.64
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	18	0.64
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	18	0.64
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	12	0.64
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	12	0.64
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	6	0.64
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	6	0.64
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD2	5	0.64
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD3	5	0.64
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD2	8	0.64
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD3	8	0.64
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD2	9	0.64
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD3	9	0.64
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	2	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	2	0.64
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	5	0.64
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	5	0.64
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD2	9	0.64
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD3	9	0.64
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	8	0.64
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	8	0.64
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	8	0.64
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	8	0.64
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	11	0.64
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	11	0.64
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	11	0.64
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	11	0.64
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	11	0.64
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	11	0.64
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	15	0.64
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	15	0.64
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	15	0.64
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	15	0.64
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	15	0.64
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	15	0.64
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	9	0.64
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	9	0.64
(1,1370)	1:90:A:LEU:HD11	1:91:A:THR:HA	19	0.64
(1,1370)	1:90:A:LEU:HD12	1:91:A:THR:HA	19	0.64
(1,1370)	1:90:A:LEU:HD13	1:91:A:THR:HA	19	0.64
(1,1370)	1:90:A:LEU:HD21	1:91:A:THR:HA	19	0.64
(1,1370)	1:90:A:LEU:HD22	1:91:A:THR:HA	19	0.64
(1,1370)	1:90:A:LEU:HD23	1:91:A:THR:HA	19	0.64
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	13	0.64
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	13	0.64
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	4	0.64
(1,1271)	1:178:A:VAL:HB	1:179:A:GLY:H	16	0.64
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG21	19	0.64
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG22	19	0.64
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG23	19	0.64
(1,1193)	1:144:A:LEU:HD11	1:147:A:LEU:H	16	0.64
(1,1193)	1:144:A:LEU:HD12	1:147:A:LEU:H	16	0.64
(1,1193)	1:144:A:LEU:HD13	1:147:A:LEU:H	16	0.64
(1,1193)	1:144:A:LEU:HD21	1:147:A:LEU:H	16	0.64
(1,1193)	1:144:A:LEU:HD22	1:147:A:LEU:H	16	0.64
(1,1193)	1:144:A:LEU:HD23	1:147:A:LEU:H	16	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	5	0.64
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	5	0.64
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	5	0.64
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	4	0.64
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	13	0.64
(1,1091)	1:100:A:ARG:H	1:100:A:ARG:HG3	20	0.64
(1,1044)	1:136:A:VAL:HB	1:142:A:GLU:H	6	0.64
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	1	0.64
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	15	0.64
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	11	0.64
(1,986)	1:194:A:VAL:HB	1:195:A:SER:H	8	0.64
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	2	0.64
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	3	0.64
(1,933)	1:187:A:ARG:HD2	1:188:A:ASN:H	2	0.64
(1,933)	1:187:A:ARG:HD3	1:188:A:ASN:H	2	0.64
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	11	0.64
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	11	0.64
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	19	0.64
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	19	0.64
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	11	0.64
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	11	0.64
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	11	0.64
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	4	0.64
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	8	0.64
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	8	0.64
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	8	0.64
(1,871)	1:178:A:VAL:H	1:178:A:VAL:HB	11	0.64
(1,871)	1:178:A:VAL:H	1:178:A:VAL:HB	16	0.64
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	6	0.64
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	6	0.64
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	6	0.64
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	19	0.64
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	19	0.64
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	19	0.64
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	10	0.64
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	10	0.64
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	10	0.64
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	2	0.64
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	5	0.64
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	6	0.64
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	1	0.64
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	16	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,719)	1:146:A:LEU:HG	1:147:A:LEU:H	11	0.64
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	6	0.64
(1,663)	1:130:A:LEU:H	1:195:A:SER:H	15	0.64
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	7	0.64
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	7	0.64
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	13	0.64
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	5	0.64
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	16	0.64
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	20	0.64
(1,497)	1:100:A:ARG:H	1:100:A:ARG:HG2	17	0.64
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	20	0.64
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	20	0.64
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	20	0.64
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	5	0.64
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	14	0.64
(1,443)	1:88:A:ARG:HG3	1:89:A:TYR:H	6	0.64
(1,430)	1:137:A:ILE:H	1:142:A:GLU:H	3	0.64
(1,430)	1:137:A:ILE:H	1:142:A:GLU:H	6	0.64
(1,426)	1:115:A:LEU:HG	1:174:A:VAL:H	13	0.64
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	11	0.64
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	11	0.64
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	11	0.64
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	11	0.64
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	11	0.64
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	11	0.64
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	8	0.64
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	8	0.64
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	8	0.64
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	16	0.64
(1,239)	1:152:A:GLU:HG2	1:153:A:GLU:H	6	0.64
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	6	0.64
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	3	0.64
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	3	0.64
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	3	0.64
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	3	0.64
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	3	0.64
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	3	0.64
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	6	0.64
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	6	0.64
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	6	0.64
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	11	0.64
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	11	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	11	0.64
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	10	0.64
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD11	16	0.64
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD12	16	0.64
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD13	16	0.64
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	18	0.64
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	18	0.64
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	18	0.64
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	17	0.64
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	10	0.63
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	10	0.63
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	17	0.63
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	17	0.63
(1,1781)	1:194:A:VAL:HG11	1:203:A:TRP:H	1	0.63
(1,1781)	1:194:A:VAL:HG12	1:203:A:TRP:H	1	0.63
(1,1781)	1:194:A:VAL:HG13	1:203:A:TRP:H	1	0.63
(1,1781)	1:194:A:VAL:HG21	1:203:A:TRP:H	1	0.63
(1,1781)	1:194:A:VAL:HG22	1:203:A:TRP:H	1	0.63
(1,1781)	1:194:A:VAL:HG23	1:203:A:TRP:H	1	0.63
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	10	0.63
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	10	0.63
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	10	0.63
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	10	0.63
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	10	0.63
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	10	0.63
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	16	0.63
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	16	0.63
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	16	0.63
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	16	0.63
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	16	0.63
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	16	0.63
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	6	0.63
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	6	0.63
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	17	0.63
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	17	0.63
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	17	0.63
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	17	0.63
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	10	0.63
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	10	0.63
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	10	0.63
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	10	0.63
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	10	0.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	10	0.63
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	14	0.63
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	14	0.63
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	17	0.63
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	17	0.63
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	7	0.63
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	7	0.63
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	7	0.63
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	7	0.63
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	7	0.63
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	7	0.63
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	8	0.63
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	8	0.63
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD2	4	0.63
(1,1481)	1:108:A:LYS:H	1:108:A:LYS:HD3	4	0.63
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	10	0.63
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	10	0.63
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	8	0.63
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	8	0.63
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	8	0.63
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	8	0.63
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	8	0.63
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	8	0.63
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	8	0.63
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	8	0.63
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	8	0.63
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	8	0.63
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	8	0.63
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	8	0.63
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	1	0.63
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	1	0.63
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	1	0.63
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	1	0.63
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	1	0.63
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	1	0.63
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	20	0.63
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	20	0.63
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	20	0.63
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	20	0.63
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	20	0.63
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	20	0.63
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	20	0.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	20	0.63
(1,1358)	1:88:A:ARG:HG2	1:89:A:TYR:H	11	0.63
(1,1358)	1:88:A:ARG:HG3	1:89:A:TYR:H	11	0.63
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG21	6	0.63
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG22	6	0.63
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG23	6	0.63
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	7	0.63
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	7	0.63
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	7	0.63
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	20	0.63
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	10	0.63
(1,1091)	1:100:A:ARG:H	1:100:A:ARG:HG3	9	0.63
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	5	0.63
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	8	0.63
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	14	0.63
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG11	18	0.63
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG12	18	0.63
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG13	18	0.63
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	1	0.63
(1,989)	1:196:A:GLU:H	1:196:A:GLU:HG2	10	0.63
(1,980)	1:193:A:ARG:HB3	1:194:A:VAL:H	3	0.63
(1,977)	1:193:A:ARG:H	1:193:A:ARG:HD2	3	0.63
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	11	0.63
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	16	0.63
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	2	0.63
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	16	0.63
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	16	0.63
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	17	0.63
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	17	0.63
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	10	0.63
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	10	0.63
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	16	0.63
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	16	0.63
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	16	0.63
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	9	0.63
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	3	0.63
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	3	0.63
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	14	0.63
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	14	0.63
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	11	0.63
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	9	0.63
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	1	0.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	4	0.63
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	4	0.63
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	4	0.63
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	4	0.63
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	4	0.63
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	4	0.63
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	11	0.63
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	11	0.63
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	11	0.63
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	15	0.63
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	15	0.63
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	15	0.63
(1,590)	1:121:A:GLN:H	1:121:A:GLN:HG3	2	0.63
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	9	0.63
(1,553)	1:115:A:LEU:H	1:115:A:LEU:HG	13	0.63
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	18	0.63
(1,497)	1:100:A:ARG:H	1:100:A:ARG:HG2	19	0.63
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	7	0.63
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	13	0.63
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	14	0.63
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	15	0.63
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	10	0.63
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	7	0.63
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	7	0.63
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	7	0.63
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	7	0.63
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	16	0.63
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	11	0.63
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	11	0.63
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	8	0.63
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	8	0.63
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	8	0.63
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	18	0.63
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	18	0.63
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	18	0.63
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG2	19	0.63
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG3	19	0.63
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG2	19	0.63
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG3	19	0.63
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG2	19	0.63
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG3	19	0.63
(1,239)	1:152:A:GLU:HG2	1:153:A:GLU:H	9	0.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:144:A:LEU:HD11	1:146:A:LEU:HA	18	0.63
(1,194)	1:144:A:LEU:HD12	1:146:A:LEU:HA	18	0.63
(1,194)	1:144:A:LEU:HD13	1:146:A:LEU:HA	18	0.63
(1,194)	1:144:A:LEU:HD21	1:146:A:LEU:HA	18	0.63
(1,194)	1:144:A:LEU:HD22	1:146:A:LEU:HA	18	0.63
(1,194)	1:144:A:LEU:HD23	1:146:A:LEU:HA	18	0.63
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	6	0.63
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	6	0.63
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	6	0.63
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	6	0.63
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	6	0.63
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	6	0.63
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	16	0.63
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	16	0.63
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	16	0.63
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	1	0.63
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	1	0.63
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	1	0.63
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	1	0.63
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	1	0.63
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	1	0.63
(1,159)	1:91:A:THR:HB	1:133:A:ASN:HB2	18	0.63
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	6	0.63
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	6	0.63
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	6	0.63
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	18	0.63
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	18	0.63
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	18	0.63
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	6	0.63
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	17	0.63
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	17	0.63
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	17	0.63
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	15	0.63
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG2	10	0.63
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG3	10	0.63
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG11	7	0.62
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG12	7	0.62
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG13	7	0.62
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG21	7	0.62
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG22	7	0.62
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG23	7	0.62
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG11	7	0.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG12	7	0.62
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG13	7	0.62
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG21	7	0.62
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG22	7	0.62
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG23	7	0.62
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG11	7	0.62
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG12	7	0.62
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG13	7	0.62
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG21	7	0.62
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG22	7	0.62
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG23	7	0.62
(1,1763)	1:185:A:LEU:HD11	1:190:A:ASN:HD21	9	0.62
(1,1763)	1:185:A:LEU:HD12	1:190:A:ASN:HD21	9	0.62
(1,1763)	1:185:A:LEU:HD13	1:190:A:ASN:HD21	9	0.62
(1,1763)	1:185:A:LEU:HD21	1:190:A:ASN:HD21	9	0.62
(1,1763)	1:185:A:LEU:HD22	1:190:A:ASN:HD21	9	0.62
(1,1763)	1:185:A:LEU:HD23	1:190:A:ASN:HD21	9	0.62
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	6	0.62
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	6	0.62
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	6	0.62
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	6	0.62
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	6	0.62
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	6	0.62
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	7	0.62
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	7	0.62
(1,1550)	1:117:A:ILE:H	1:118:A:ARG:HG2	2	0.62
(1,1550)	1:117:A:ILE:H	1:118:A:ARG:HG3	2	0.62
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	13	0.62
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	13	0.62
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	13	0.62
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	13	0.62
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	13	0.62
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	13	0.62
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	13	0.62
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	13	0.62
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	13	0.62
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	13	0.62
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	13	0.62
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	13	0.62
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	13	0.62
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	13	0.62
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	13	0.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	13	0.62
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	13	0.62
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	13	0.62
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG11	6	0.62
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG12	6	0.62
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG13	6	0.62
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG21	6	0.62
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG22	6	0.62
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG23	6	0.62
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	3	0.62
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	3	0.62
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	4	0.62
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	4	0.62
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD11	5	0.62
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD12	5	0.62
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD13	5	0.62
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD11	5	0.62
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD12	5	0.62
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD13	5	0.62
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	12	0.62
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	12	0.62
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	1	0.62
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	1	0.62
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	1	0.62
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	1	0.62
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	1	0.62
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	1	0.62
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	1	0.62
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	1	0.62
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	1	0.62
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	1	0.62
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	1	0.62
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	1	0.62
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	13	0.62
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	13	0.62
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	8	0.62
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	8	0.62
(1,1358)	1:88:A:ARG:HG2	1:89:A:TYR:H	9	0.62
(1,1358)	1:88:A:ARG:HG3	1:89:A:TYR:H	9	0.62
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	4	0.62
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	2	0.62
(1,1275)	1:179:A:GLY:H	1:203:A:TRP:HZ3	20	0.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG21	17	0.62
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG22	17	0.62
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG23	17	0.62
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	11	0.62
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	11	0.62
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	2	0.62
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	2	0.62
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	2	0.62
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	6	0.62
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	5	0.62
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	7	0.62
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	2	0.62
(1,1044)	1:136:A:VAL:HB	1:142:A:GLU:H	8	0.62
(1,1011)	1:201:A:PHE:H	1:203:A:TRP:H	1	0.62
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	11	0.62
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	4	0.62
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	12	0.62
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	5	0.62
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	13	0.62
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	14	0.62
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	14	0.62
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	14	0.62
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	12	0.62
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	12	0.62
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	12	0.62
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	13	0.62
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	14	0.62
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	14	0.62
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	14	0.62
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	2	0.62
(1,719)	1:146:A:LEU:HG	1:147:A:LEU:H	6	0.62
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	7	0.62
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	9	0.62
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	11	0.62
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	10	0.62
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	10	0.62
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	10	0.62
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	17	0.62
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	17	0.62
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	17	0.62
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	19	0.62
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	19	0.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	19	0.62
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	2	0.62
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	6	0.62
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	11	0.62
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	8	0.62
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	19	0.62
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	20	0.62
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	6	0.62
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	7	0.62
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	9	0.62
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	14	0.62
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	16	0.62
(1,497)	1:100:A:ARG:H	1:100:A:ARG:HG2	6	0.62
(1,497)	1:100:A:ARG:H	1:100:A:ARG:HG2	20	0.62
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	6	0.62
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	6	0.62
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	6	0.62
(1,492)	1:98:A:MET:HG2	1:99:A:SER:H	17	0.62
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	1	0.62
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	12	0.62
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	4	0.62
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	4	0.62
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	4	0.62
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	19	0.62
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	19	0.62
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	19	0.62
(1,376)	1:193:A:ARG:H	1:193:A:ARG:HG3	10	0.62
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	5	0.62
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	19	0.62
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	19	0.62
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	19	0.62
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	19	0.62
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	9	0.62
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	13	0.62
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	13	0.62
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	13	0.62
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	13	0.62
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	13	0.62
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	13	0.62
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	10	0.62
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	4	0.62
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	7	0.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	16	0.62
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	16	0.62
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	16	0.62
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	1	0.62
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	3	0.61
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	3	0.61
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG21	6	0.61
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG22	6	0.61
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG23	6	0.61
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG21	6	0.61
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG22	6	0.61
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG23	6	0.61
(1,1781)	1:194:A:VAL:HG11	1:203:A:TRP:H	16	0.61
(1,1781)	1:194:A:VAL:HG12	1:203:A:TRP:H	16	0.61
(1,1781)	1:194:A:VAL:HG13	1:203:A:TRP:H	16	0.61
(1,1781)	1:194:A:VAL:HG21	1:203:A:TRP:H	16	0.61
(1,1781)	1:194:A:VAL:HG22	1:203:A:TRP:H	16	0.61
(1,1781)	1:194:A:VAL:HG23	1:203:A:TRP:H	16	0.61
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	12	0.61
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	12	0.61
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	12	0.61
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	12	0.61
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	12	0.61
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	12	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG11	12	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG12	12	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG13	12	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG21	12	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG22	12	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG23	12	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG11	12	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG12	12	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG13	12	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG21	12	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG22	12	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG23	12	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG11	14	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG12	14	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG13	14	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG21	14	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG22	14	0.61
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG23	14	0.61

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG11	14	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG12	14	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG13	14	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG21	14	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG22	14	0.61
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG23	14	0.61
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	14	0.61
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	14	0.61
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	16	0.61
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	16	0.61
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	19	0.61
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	19	0.61
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD2	3	0.61
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD3	3	0.61
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD2	7	0.61
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD3	7	0.61
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	15	0.61
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	15	0.61
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	19	0.61
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	19	0.61
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	14	0.61
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	14	0.61
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	3	0.61
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	3	0.61
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	7	0.61
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	19	0.61
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	6	0.61
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	18	0.61
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	18	0.61
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	18	0.61
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	10	0.61
(1,1091)	1:100:A:ARG:H	1:100:A:ARG:HG3	6	0.61
(1,1071)	1:92:A:ASP:H	1:132:A:ALA:HB1	18	0.61
(1,1071)	1:92:A:ASP:H	1:132:A:ALA:HB2	18	0.61
(1,1071)	1:92:A:ASP:H	1:132:A:ALA:HB3	18	0.61
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	17	0.61
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	10	0.61
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	10	0.61
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	10	0.61
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	6	0.61
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	5	0.61
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	9	0.61

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	1	0.61
(1,980)	1:193:A:ARG:HB3	1:194:A:VAL:H	10	0.61
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	19	0.61
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	12	0.61
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	1	0.61
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	7	0.61
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	7	0.61
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	7	0.61
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	3	0.61
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	3	0.61
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	3	0.61
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	2	0.61
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	2	0.61
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	2	0.61
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	13	0.61
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	13	0.61
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	18	0.61
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	15	0.61
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	15	0.61
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	15	0.61
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	9	0.61
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	6	0.61
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	6	0.61
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	6	0.61
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	14	0.61
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	14	0.61
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	14	0.61
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	14	0.61
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	14	0.61
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	14	0.61
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	15	0.61
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	15	0.61
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	15	0.61
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	15	0.61
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	15	0.61
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	15	0.61
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	14	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	6	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	6	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	6	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	8	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	8	0.61

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	8	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	12	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	12	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	12	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	14	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	14	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	14	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	20	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	20	0.61
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	20	0.61
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	3	0.61
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	17	0.61
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	10	0.61
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	15	0.61
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	19	0.61
(1,497)	1:100:A:ARG:H	1:100:A:ARG:HG2	4	0.61
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	17	0.61
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	17	0.61
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	17	0.61
(1,475)	1:95:A:LEU:H	1:95:A:LEU:HB3	4	0.61
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	6	0.61
(1,426)	1:115:A:LEU:HG	1:174:A:VAL:H	10	0.61
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	19	0.61
(1,411)	1:202:A:ALA:HB1	1:203:A:TRP:HE3	3	0.61
(1,411)	1:202:A:ALA:HB2	1:203:A:TRP:HE3	3	0.61
(1,411)	1:202:A:ALA:HB3	1:203:A:TRP:HE3	3	0.61
(1,404)	1:194:A:VAL:HG21	1:203:A:TRP:HB2	7	0.61
(1,404)	1:194:A:VAL:HG22	1:203:A:TRP:HB2	7	0.61
(1,404)	1:194:A:VAL:HG23	1:203:A:TRP:HB2	7	0.61
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	17	0.61
(1,336)	1:182:A:ILE:HA	1:185:A:LEU:HG	10	0.61
(1,291)	1:115:A:LEU:HG	1:169:A:HIS:HE1	7	0.61
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	7	0.61
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	8	0.61
(1,239)	1:152:A:GLU:HG2	1:153:A:GLU:H	8	0.61
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	7	0.61
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	7	0.61
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	7	0.61
(1,159)	1:91:A:THR:HB	1:133:A:ASN:HB2	9	0.61
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	19	0.61
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	19	0.61
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	19	0.61

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	18	0.61
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	18	0.61
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	18	0.61
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	6	0.61
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	2	0.61
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	2	0.61
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	2	0.61
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	5	0.61
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD11	11	0.61
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD12	11	0.61
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD13	11	0.61
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD11	11	0.61
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD12	11	0.61
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD13	11	0.61
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	2	0.61
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	2	0.61
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	2	0.61
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	2	0.61
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	10	0.6
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	10	0.6
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	10	0.6
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	10	0.6
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	10	0.6
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	10	0.6
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	11	0.6
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	11	0.6
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	11	0.6
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	11	0.6
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	11	0.6
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	11	0.6
(1,1763)	1:185:A:LEU:HD11	1:190:A:ASN:HD21	7	0.6
(1,1763)	1:185:A:LEU:HD12	1:190:A:ASN:HD21	7	0.6
(1,1763)	1:185:A:LEU:HD13	1:190:A:ASN:HD21	7	0.6
(1,1763)	1:185:A:LEU:HD21	1:190:A:ASN:HD21	7	0.6
(1,1763)	1:185:A:LEU:HD22	1:190:A:ASN:HD21	7	0.6
(1,1763)	1:185:A:LEU:HD23	1:190:A:ASN:HD21	7	0.6
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	1	0.6
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	1	0.6
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	1	0.6
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	1	0.6
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	1	0.6
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	1	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	19	0.6
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	19	0.6
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	19	0.6
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	19	0.6
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	19	0.6
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	19	0.6
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	9	0.6
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	9	0.6
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	8	0.6
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	8	0.6
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	12	0.6
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	12	0.6
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	12	0.6
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	12	0.6
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	12	0.6
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	12	0.6
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG11	10	0.6
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG12	10	0.6
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG13	10	0.6
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG21	10	0.6
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG22	10	0.6
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG23	10	0.6
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD2	10	0.6
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD3	10	0.6
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	4	0.6
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	4	0.6
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	4	0.6
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	4	0.6
(1,1464)	1:104:A:MET:HG2	1:120:A:ASP:H	5	0.6
(1,1464)	1:104:A:MET:HG3	1:120:A:ASP:H	5	0.6
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	9	0.6
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	9	0.6
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD11	19	0.6
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD12	19	0.6
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD13	19	0.6
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD21	19	0.6
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD22	19	0.6
(1,1457)	1:104:A:MET:H	1:105:A:LEU:HD23	19	0.6
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	13	0.6
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	13	0.6
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	18	0.6
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	18	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	19	0.6
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	19	0.6
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	19	0.6
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	19	0.6
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	19	0.6
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	19	0.6
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	3	0.6
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	3	0.6
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	3	0.6
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	9	0.6
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	12	0.6
(1,1281)	1:180:A:VAL:HA	1:184:A:GLY:H	7	0.6
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	18	0.6
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB2	16	0.6
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB3	16	0.6
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	20	0.6
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	20	0.6
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	20	0.6
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	14	0.6
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	14	0.6
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	14	0.6
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	19	0.6
(1,1091)	1:100:A:ARG:H	1:100:A:ARG:HG3	1	0.6
(1,1091)	1:100:A:ARG:H	1:100:A:ARG:HG3	4	0.6
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	10	0.6
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	3	0.6
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	3	0.6
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	3	0.6
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	12	0.6
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	14	0.6
(1,965)	1:191:A:THR:H	1:191:A:THR:HB	7	0.6
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	19	0.6
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	16	0.6
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	2	0.6
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	2	0.6
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	4	0.6
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	20	0.6
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	5	0.6
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	5	0.6
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	20	0.6
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	3	0.6
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	3	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	3	0.6
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	8	0.6
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	8	0.6
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	3	0.6
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	12	0.6
(1,650)	1:128:A:ILE:H	1:190:A:ASN:HB2	16	0.6
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	8	0.6
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	18	0.6
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	1	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	2	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	2	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	2	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	3	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	3	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	3	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	5	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	5	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	5	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	11	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	11	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	11	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	13	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	13	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	13	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	18	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	18	0.6
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	18	0.6
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	11	0.6
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	18	0.6
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	5	0.6
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	9	0.6
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	11	0.6
(1,540)	1:109:A:GLN:HG2	1:111:A:VAL:H	11	0.6
(1,497)	1:100:A:ARG:H	1:100:A:ARG:HG2	1	0.6
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	15	0.6
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	15	0.6
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	15	0.6
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	15	0.6
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	15	0.6
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	15	0.6
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB1	16	0.6
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB2	16	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:200:A:ARG:H	1:202:A:ALA:HB3	16	0.6
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	13	0.6
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	2	0.6
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	2	0.6
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	2	0.6
(1,125)	1:127:A:ASN:HB3	1:191:A:THR:HB	8	0.6
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	17	0.6
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	17	0.6
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	17	0.6
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	19	0.6
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	19	0.6
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	19	0.6
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	1	0.6
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	20	0.59
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	20	0.59
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	1	0.59
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	1	0.59
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG12	3	0.59
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG13	3	0.59
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	10	0.59
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	10	0.59
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	6	0.59
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	6	0.59
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG2	1	0.59
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG3	1	0.59
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	12	0.59
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	12	0.59
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	16	0.59
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	16	0.59
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	16	0.59
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	16	0.59
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	1	0.59
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	1	0.59
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	9	0.59
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	9	0.59
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	5	0.59
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	5	0.59
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	5	0.59
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	5	0.59
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	5	0.59
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	5	0.59
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD11	7	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD12	7	0.59
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD13	7	0.59
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD11	7	0.59
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD12	7	0.59
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD13	7	0.59
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	1	0.59
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	1	0.59
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	13	0.59
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	4	0.59
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG21	5	0.59
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG22	5	0.59
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG23	5	0.59
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	9	0.59
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	9	0.59
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	9	0.59
(1,1160)	1:131:A:LYS:H	1:147:A:LEU:HG	10	0.59
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	15	0.59
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	14	0.59
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	2	0.59
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	5	0.59
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	5	0.59
(1,1091)	1:100:A:ARG:H	1:100:A:ARG:HG3	13	0.59
(1,1091)	1:100:A:ARG:H	1:100:A:ARG:HG3	17	0.59
(1,1091)	1:100:A:ARG:H	1:100:A:ARG:HG3	19	0.59
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	10	0.59
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG11	7	0.59
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG12	7	0.59
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG13	7	0.59
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG2	11	0.59
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG3	11	0.59
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	10	0.59
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	20	0.59
(1,933)	1:187:A:ARG:HD2	1:188:A:ASN:H	13	0.59
(1,933)	1:187:A:ARG:HD3	1:188:A:ASN:H	13	0.59
(1,926)	1:185:A:LEU:HG	1:186:A:GLU:H	5	0.59
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	8	0.59
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	3	0.59
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	3	0.59
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	5	0.59
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	5	0.59
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	10	0.59
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	10	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	10	0.59
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	18	0.59
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	18	0.59
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	18	0.59
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	7	0.59
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	7	0.59
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	12	0.59
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	1	0.59
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	5	0.59
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	10	0.59
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	6	0.59
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	5	0.59
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	6	0.59
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	12	0.59
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	1	0.59
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	16	0.59
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	16	0.59
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	16	0.59
(1,540)	1:109:A:GLN:HG2	1:111:A:VAL:H	17	0.59
(1,493)	1:98:A:MET:HG3	1:99:A:SER:H	20	0.59
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	3	0.59
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	17	0.59
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	20	0.59
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	11	0.59
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	11	0.59
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	11	0.59
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	8	0.59
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	8	0.59
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	8	0.59
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	20	0.59
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	20	0.59
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	20	0.59
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	8	0.59
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	8	0.59
(1,414)	1:182:A:ILE:HD11	1:203:A:TRP:HH2	17	0.59
(1,414)	1:182:A:ILE:HD12	1:203:A:TRP:HH2	17	0.59
(1,414)	1:182:A:ILE:HD13	1:203:A:TRP:HH2	17	0.59
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	19	0.59
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	19	0.59
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	19	0.59
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	12	0.59
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	12	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	12	0.59
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	13	0.59
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	13	0.59
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	13	0.59
(1,320)	1:178:A:VAL:HG21	1:203:A:TRP:HB2	6	0.59
(1,320)	1:178:A:VAL:HG22	1:203:A:TRP:HB2	6	0.59
(1,320)	1:178:A:VAL:HG23	1:203:A:TRP:HB2	6	0.59
(1,320)	1:178:A:VAL:HG21	1:203:A:TRP:HB2	17	0.59
(1,320)	1:178:A:VAL:HG22	1:203:A:TRP:HB2	17	0.59
(1,320)	1:178:A:VAL:HG23	1:203:A:TRP:HB2	17	0.59
(1,239)	1:152:A:GLU:HG2	1:153:A:GLU:H	7	0.59
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	4	0.59
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	13	0.59
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	13	0.59
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	13	0.59
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	13	0.59
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	13	0.59
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	13	0.59
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	14	0.59
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	14	0.59
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	14	0.59
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	19	0.59
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	19	0.59
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	19	0.59
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	20	0.59
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	20	0.59
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	20	0.59
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	3	0.59
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	3	0.59
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	3	0.59
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB2	17	0.59
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB3	17	0.59
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB2	17	0.59
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB3	17	0.59
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	6	0.59
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	6	0.59
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	6	0.59
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	6	0.59
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	12	0.59
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	9	0.58
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	9	0.58
(1,1763)	1:185:A:LEU:HD11	1:190:A:ASN:HD21	18	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1763)	1:185:A:LEU:HD12	1:190:A:ASN:HD21	18	0.58
(1,1763)	1:185:A:LEU:HD13	1:190:A:ASN:HD21	18	0.58
(1,1763)	1:185:A:LEU:HD21	1:190:A:ASN:HD21	18	0.58
(1,1763)	1:185:A:LEU:HD22	1:190:A:ASN:HD21	18	0.58
(1,1763)	1:185:A:LEU:HD23	1:190:A:ASN:HD21	18	0.58
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG11	20	0.58
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG12	20	0.58
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG13	20	0.58
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG21	20	0.58
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG22	20	0.58
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG23	20	0.58
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG11	20	0.58
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG12	20	0.58
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG13	20	0.58
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG21	20	0.58
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG22	20	0.58
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG23	20	0.58
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	5	0.58
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	5	0.58
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	5	0.58
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	5	0.58
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	5	0.58
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	5	0.58
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	11	0.58
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	11	0.58
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	11	0.58
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	11	0.58
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	11	0.58
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	11	0.58
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	4	0.58
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	4	0.58
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	4	0.58
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	4	0.58
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	4	0.58
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	4	0.58
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG12	5	0.58
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG13	5	0.58
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	20	0.58
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	20	0.58
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	1	0.58
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	1	0.58
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	19	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	19	0.58
(1,1496)	1:108:A:LYS:HD2	1:109:A:GLN:H	14	0.58
(1,1496)	1:108:A:LYS:HD3	1:109:A:GLN:H	14	0.58
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	19	0.58
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	19	0.58
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD2	6	0.58
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD3	6	0.58
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD2	14	0.58
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD3	14	0.58
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	8	0.58
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	8	0.58
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	7	0.58
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	7	0.58
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	16	0.58
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	16	0.58
(1,1409)	1:96:A:GLU:HB2	1:97:A:GLU:H	14	0.58
(1,1409)	1:96:A:GLU:HB3	1:97:A:GLU:H	14	0.58
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	2	0.58
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	2	0.58
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	2	0.58
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	2	0.58
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	2	0.58
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	2	0.58
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	11	0.58
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	11	0.58
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	11	0.58
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	11	0.58
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	11	0.58
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	11	0.58
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	12	0.58
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	12	0.58
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	12	0.58
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	12	0.58
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	12	0.58
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	12	0.58
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	15	0.58
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	15	0.58
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	15	0.58
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	15	0.58
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	15	0.58
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	15	0.58
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	5	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	5	0.58
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	10	0.58
(1,1308)	1:196:A:GLU:H	1:196:A:GLU:HB2	8	0.58
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	12	0.58
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	1	0.58
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	15	0.58
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	3	0.58
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	3	0.58
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB1	16	0.58
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB2	16	0.58
(1,1158)	1:131:A:LYS:H	1:132:A:ALA:HB3	16	0.58
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	13	0.58
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	2	0.58
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	12	0.58
(1,1011)	1:201:A:PHE:H	1:203:A:TRP:H	3	0.58
(1,1011)	1:201:A:PHE:H	1:203:A:TRP:H	16	0.58
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	3	0.58
(1,958)	1:126:A:LYS:HA	1:191:A:THR:H	3	0.58
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	3	0.58
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	4	0.58
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	5	0.58
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	6	0.58
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	6	0.58
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	13	0.58
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	13	0.58
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	13	0.58
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	14	0.58
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	14	0.58
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	14	0.58
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	10	0.58
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	10	0.58
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	10	0.58
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	10	0.58
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	1	0.58
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	1	0.58
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	1	0.58
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	7	0.58
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	13	0.58
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	14	0.58
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	14	0.58
(1,416)	1:182:A:ILE:HG21	1:203:A:TRP:HZ2	10	0.58
(1,416)	1:182:A:ILE:HG22	1:203:A:TRP:HZ2	10	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:182:A:ILE:HG23	1:203:A:TRP:HZ2	10	0.58
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB1	3	0.58
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB2	3	0.58
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB3	3	0.58
(1,378)	1:193:A:ARG:HA	1:193:A:ARG:HD3	10	0.58
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	12	0.58
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	9	0.58
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	9	0.58
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	9	0.58
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	17	0.58
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	17	0.58
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	17	0.58
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	3	0.58
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	3	0.58
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	3	0.58
(1,239)	1:152:A:GLU:HG2	1:153:A:GLU:H	11	0.58
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	7	0.58
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	7	0.58
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	12	0.58
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	12	0.58
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	12	0.58
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	10	0.58
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	10	0.58
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	10	0.58
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	19	0.58
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	19	0.58
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	19	0.58
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	3	0.58
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	3	0.58
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	3	0.58
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE1	8	0.58
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE2	8	0.58
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE3	8	0.58
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	5	0.58
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	11	0.58
(1,1781)	1:194:A:VAL:HG11	1:203:A:TRP:H	7	0.57
(1,1781)	1:194:A:VAL:HG12	1:203:A:TRP:H	7	0.57
(1,1781)	1:194:A:VAL:HG13	1:203:A:TRP:H	7	0.57
(1,1781)	1:194:A:VAL:HG21	1:203:A:TRP:H	7	0.57
(1,1781)	1:194:A:VAL:HG22	1:203:A:TRP:H	7	0.57
(1,1781)	1:194:A:VAL:HG23	1:203:A:TRP:H	7	0.57
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD21	6	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD22	6	0.57
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG11	7	0.57
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG12	7	0.57
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG13	7	0.57
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG21	7	0.57
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG22	7	0.57
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG23	7	0.57
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG11	7	0.57
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG12	7	0.57
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG13	7	0.57
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG21	7	0.57
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG22	7	0.57
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG23	7	0.57
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	18	0.57
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	18	0.57
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	18	0.57
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	18	0.57
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	18	0.57
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	18	0.57
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	13	0.57
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	13	0.57
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	19	0.57
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	19	0.57
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	19	0.57
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	19	0.57
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	19	0.57
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	19	0.57
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	10	0.57
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	10	0.57
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	10	0.57
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	10	0.57
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	10	0.57
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	10	0.57
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	10	0.57
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	10	0.57
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	15	0.57
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	15	0.57
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	3	0.57
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	3	0.57
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	7	0.57
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	7	0.57
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	18	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	18	0.57
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	11	0.57
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	11	0.57
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	9	0.57
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	9	0.57
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG2	4	0.57
(1,1427)	1:99:A:SER:H	1:100:A:ARG:HG3	4	0.57
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG2	10	0.57
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG3	10	0.57
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG2	10	0.57
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG3	10	0.57
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG2	11	0.57
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG3	11	0.57
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG2	11	0.57
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG3	11	0.57
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	20	0.57
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	20	0.57
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	20	0.57
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	20	0.57
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	19	0.57
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	19	0.57
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	19	0.57
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	19	0.57
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	13	0.57
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	13	0.57
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	13	0.57
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	13	0.57
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	13	0.57
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	13	0.57
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	2	0.57
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	2	0.57
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	2	0.57
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	2	0.57
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	2	0.57
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	2	0.57
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	7	0.57
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	7	0.57
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	7	0.57
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	7	0.57
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	7	0.57
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	7	0.57
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG2	17	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG3	17	0.57
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	5	0.57
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	5	0.57
(1,1358)	1:88:A:ARG:HG2	1:89:A:TYR:H	7	0.57
(1,1358)	1:88:A:ARG:HG3	1:89:A:TYR:H	7	0.57
(1,1358)	1:88:A:ARG:HG2	1:89:A:TYR:H	18	0.57
(1,1358)	1:88:A:ARG:HG3	1:89:A:TYR:H	18	0.57
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD1	6	0.57
(1,1339)	1:137:A:ILE:HD11	1:138:A:PHE:HD2	6	0.57
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD1	6	0.57
(1,1339)	1:137:A:ILE:HD12	1:138:A:PHE:HD2	6	0.57
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD1	6	0.57
(1,1339)	1:137:A:ILE:HD13	1:138:A:PHE:HD2	6	0.57
(1,1333)	1:134:A:PHE:HE1	1:136:A:VAL:HG11	5	0.57
(1,1333)	1:134:A:PHE:HE1	1:136:A:VAL:HG12	5	0.57
(1,1333)	1:134:A:PHE:HE1	1:136:A:VAL:HG13	5	0.57
(1,1333)	1:134:A:PHE:HE2	1:136:A:VAL:HG11	5	0.57
(1,1333)	1:134:A:PHE:HE2	1:136:A:VAL:HG12	5	0.57
(1,1333)	1:134:A:PHE:HE2	1:136:A:VAL:HG13	5	0.57
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	14	0.57
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	14	0.57
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	14	0.57
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	18	0.57
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	9	0.57
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	11	0.57
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	6	0.57
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	12	0.57
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	12	0.57
(1,1271)	1:178:A:VAL:HB	1:179:A:GLY:H	12	0.57
(1,1271)	1:178:A:VAL:HB	1:179:A:GLY:H	15	0.57
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	1	0.57
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	1	0.57
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	1	0.57
(1,1177)	1:135:A:SER:H	1:145:A:ILE:HB	2	0.57
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	11	0.57
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	13	0.57
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	14	0.57
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	8	0.57
(1,1011)	1:201:A:PHE:H	1:203:A:TRP:H	9	0.57
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	13	0.57
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	7	0.57
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	16	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	10	0.57
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	10	0.57
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	13	0.57
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	13	0.57
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	3	0.57
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	3	0.57
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	3	0.57
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	6	0.57
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	17	0.57
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	17	0.57
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	10	0.57
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	8	0.57
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	1	0.57
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	1	0.57
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	17	0.57
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	17	0.57
(1,703)	1:137:A:ILE:HB	1:140:A:ARG:H	18	0.57
(1,699)	1:137:A:ILE:H	1:140:A:ARG:H	12	0.57
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	6	0.57
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	19	0.57
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	17	0.57
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	16	0.57
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	16	0.57
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	16	0.57
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	7	0.57
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	7	0.57
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	7	0.57
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	9	0.57
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	9	0.57
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	9	0.57
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	15	0.57
(1,564)	1:117:A:ILE:HG21	1:119:A:MET:H	10	0.57
(1,564)	1:117:A:ILE:HG22	1:119:A:MET:H	10	0.57
(1,564)	1:117:A:ILE:HG23	1:119:A:MET:H	10	0.57
(1,486)	1:95:A:LEU:HB3	1:97:A:GLU:H	9	0.57
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	2	0.57
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	11	0.57
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	18	0.57
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	19	0.57
(1,402)	1:194:A:VAL:HB	1:203:A:TRP:HB2	6	0.57
(1,303)	1:115:A:LEU:HG	1:174:A:VAL:HA	1	0.57
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	4	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	12	0.57
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	12	0.57
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	12	0.57
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	14	0.57
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	14	0.57
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	14	0.57
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	17	0.57
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	17	0.57
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	17	0.57
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	10	0.57
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	10	0.57
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	10	0.57
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	11	0.57
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	11	0.57
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	11	0.57
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	2	0.57
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	2	0.57
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	2	0.57
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	6	0.57
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	6	0.57
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	6	0.57
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	20	0.57
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	13	0.57
(1,58)	1:102:A:TRP:HD1	1:156:A:ILE:HG13	15	0.57
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	12	0.57
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	12	0.57
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	12	0.57
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	5	0.56
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	5	0.56
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	5	0.56
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	5	0.56
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	5	0.56
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	5	0.56
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	4	0.56
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	4	0.56
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	4	0.56
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	4	0.56
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	4	0.56
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	4	0.56
(1,1691)	1:162:A:PRO:HB2	1:169:A:HIS:HE1	20	0.56
(1,1691)	1:162:A:PRO:HB3	1:169:A:HIS:HE1	20	0.56
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	12	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	12	0.56
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	12	0.56
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	12	0.56
(1,1652)	1:136:A:VAL:HG11	1:139:A:ASP:HB2	9	0.56
(1,1652)	1:136:A:VAL:HG11	1:139:A:ASP:HB3	9	0.56
(1,1652)	1:136:A:VAL:HG12	1:139:A:ASP:HB2	9	0.56
(1,1652)	1:136:A:VAL:HG12	1:139:A:ASP:HB3	9	0.56
(1,1652)	1:136:A:VAL:HG13	1:139:A:ASP:HB2	9	0.56
(1,1652)	1:136:A:VAL:HG13	1:139:A:ASP:HB3	9	0.56
(1,1652)	1:136:A:VAL:HG21	1:139:A:ASP:HB2	9	0.56
(1,1652)	1:136:A:VAL:HG21	1:139:A:ASP:HB3	9	0.56
(1,1652)	1:136:A:VAL:HG22	1:139:A:ASP:HB2	9	0.56
(1,1652)	1:136:A:VAL:HG22	1:139:A:ASP:HB3	9	0.56
(1,1652)	1:136:A:VAL:HG23	1:139:A:ASP:HB2	9	0.56
(1,1652)	1:136:A:VAL:HG23	1:139:A:ASP:HB3	9	0.56
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	7	0.56
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	7	0.56
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD2	18	0.56
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD3	18	0.56
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD2	20	0.56
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD3	20	0.56
(1,1434)	1:100:A:ARG:HB2	1:101:A:ASP:H	19	0.56
(1,1434)	1:100:A:ARG:HB3	1:101:A:ASP:H	19	0.56
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	19	0.56
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	19	0.56
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	19	0.56
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	19	0.56
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	19	0.56
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	19	0.56
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	19	0.56
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	19	0.56
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	1	0.56
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	1	0.56
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	9	0.56
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	9	0.56
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	9	0.56
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	9	0.56
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	9	0.56
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	9	0.56
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE1	9	0.56
(1,1325)	1:142:A:GLU:H	1:201:A:PHE:HE2	9	0.56
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	2	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	18	0.56
(1,1278)	1:180:A:VAL:HA	1:183:A:GLY:H	16	0.56
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	5	0.56
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	3	0.56
(1,1226)	1:128:A:ILE:HD11	1:157:A:VAL:H	4	0.56
(1,1226)	1:128:A:ILE:HD12	1:157:A:VAL:H	4	0.56
(1,1226)	1:128:A:ILE:HD13	1:157:A:VAL:H	4	0.56
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	8	0.56
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	8	0.56
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	17	0.56
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	1	0.56
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	13	0.56
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	6	0.56
(1,1048)	1:130:A:LEU:H	1:192:A:VAL:HA	7	0.56
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	16	0.56
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	16	0.56
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	4	0.56
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	17	0.56
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	3	0.56
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	1	0.56
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	1	0.56
(1,821)	1:114:A:SER:HA	1:163:A:LEU:H	14	0.56
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	8	0.56
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	8	0.56
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	11	0.56
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	11	0.56
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	14	0.56
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	14	0.56
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	18	0.56
(1,699)	1:137:A:ILE:H	1:140:A:ARG:H	16	0.56
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	2	0.56
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	2	0.56
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	2	0.56
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	2	0.56
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	2	0.56
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	2	0.56
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG21	4	0.56
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG22	4	0.56
(1,607)	1:123:A:ILE:H	1:123:A:ILE:HG23	4	0.56
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	5	0.56
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	20	0.56
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	4	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	16	0.56
(1,468)	1:92:A:ASP:H	1:134:A:PHE:H	2	0.56
(1,430)	1:137:A:ILE:H	1:142:A:GLU:H	7	0.56
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	17	0.56
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	17	0.56
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	17	0.56
(1,402)	1:194:A:VAL:HB	1:203:A:TRP:HB2	1	0.56
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	4	0.56
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	4	0.56
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	4	0.56
(1,320)	1:178:A:VAL:HG21	1:203:A:TRP:HB2	9	0.56
(1,320)	1:178:A:VAL:HG22	1:203:A:TRP:HB2	9	0.56
(1,320)	1:178:A:VAL:HG23	1:203:A:TRP:HB2	9	0.56
(1,241)	1:152:A:GLU:HB2	1:153:A:GLU:HA	16	0.56
(1,239)	1:152:A:GLU:HG2	1:153:A:GLU:H	16	0.56
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	14	0.56
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	14	0.56
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	14	0.56
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	14	0.56
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	14	0.56
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	14	0.56
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	5	0.56
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	5	0.56
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	5	0.56
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	18	0.56
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	18	0.56
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	2	0.56
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	2	0.56
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	18	0.56
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	18	0.56
(1,160)	1:93:A:MET:HE1	1:133:A:ASN:HB3	9	0.56
(1,160)	1:93:A:MET:HE2	1:133:A:ASN:HB3	9	0.56
(1,160)	1:93:A:MET:HE3	1:133:A:ASN:HB3	9	0.56
(1,158)	1:91:A:THR:HB	1:133:A:ASN:HA	15	0.56
(1,150)	1:131:A:LYS:HA	1:147:A:LEU:HG	16	0.56
(1,147)	1:130:A:LEU:HD21	1:149:A:ALA:HA	1	0.56
(1,147)	1:130:A:LEU:HD22	1:149:A:ALA:HA	1	0.56
(1,147)	1:130:A:LEU:HD23	1:149:A:ALA:HA	1	0.56
(1,147)	1:130:A:LEU:HD21	1:149:A:ALA:HA	18	0.56
(1,147)	1:130:A:LEU:HD22	1:149:A:ALA:HA	18	0.56
(1,147)	1:130:A:LEU:HD23	1:149:A:ALA:HA	18	0.56
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	4	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	4	0.56
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	4	0.56
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	7	0.56
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	7	0.56
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	7	0.56
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	14	0.56
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD11	12	0.56
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD12	12	0.56
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD13	12	0.56
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	11	0.56
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB2	3	0.56
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB3	3	0.56
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB2	3	0.56
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB3	3	0.56
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	4	0.56
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	4	0.56
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	4	0.56
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	4	0.56
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	4	0.56
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	5	0.55
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	5	0.55
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	14	0.55
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	14	0.55
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	9	0.55
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	9	0.55
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	9	0.55
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	9	0.55
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	9	0.55
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	9	0.55
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	8	0.55
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	8	0.55
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	12	0.55
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	12	0.55
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	15	0.55
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	15	0.55
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	15	0.55
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	15	0.55
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	15	0.55
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	15	0.55
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	20	0.55
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	20	0.55
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD2	6	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:110:A:LYS:H	1:110:A:LYS:HD3	6	0.55
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	14	0.55
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	14	0.55
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	1	0.55
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	1	0.55
(1,1434)	1:100:A:ARG:HB2	1:101:A:ASP:H	4	0.55
(1,1434)	1:100:A:ARG:HB3	1:101:A:ASP:H	4	0.55
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD2	13	0.55
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD3	13	0.55
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	4	0.55
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	4	0.55
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	7	0.55
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	7	0.55
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG11	18	0.55
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG12	18	0.55
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG13	18	0.55
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG21	18	0.55
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG22	18	0.55
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG23	18	0.55
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG11	18	0.55
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG12	18	0.55
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG13	18	0.55
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG21	18	0.55
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG22	18	0.55
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG23	18	0.55
(1,1358)	1:88:A:ARG:HG2	1:89:A:TYR:H	3	0.55
(1,1358)	1:88:A:ARG:HG3	1:89:A:TYR:H	3	0.55
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	6	0.55
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	11	0.55
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	11	0.55
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG21	1	0.55
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG22	1	0.55
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG23	1	0.55
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG21	8	0.55
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG22	8	0.55
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG23	8	0.55
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	16	0.55
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	6	0.55
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	6	0.55
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	18	0.55
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	20	0.55
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	20	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1057)	1:102:A:TRP:HZ2	1:157:A:VAL:H	5	0.55
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	12	0.55
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	12	0.55
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	12	0.55
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	11	0.55
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	13	0.55
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	18	0.55
(1,986)	1:194:A:VAL:HB	1:195:A:SER:H	17	0.55
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	4	0.55
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	17	0.55
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	15	0.55
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	15	0.55
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	11	0.55
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	10	0.55
(1,759)	1:152:A:GLU:H	1:152:A:GLU:HG3	12	0.55
(1,759)	1:152:A:GLU:H	1:152:A:GLU:HG3	14	0.55
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	3	0.55
(1,700)	1:87:A:SER:HA	1:138:A:PHE:H	2	0.55
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	11	0.55
(1,651)	1:128:A:ILE:H	1:191:A:THR:HB	7	0.55
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	19	0.55
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	3	0.55
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	3	0.55
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	10	0.55
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	14	0.55
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	20	0.55
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	1	0.55
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	6	0.55
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	14	0.55
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	15	0.55
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	11	0.55
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	7	0.55
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	7	0.55
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	4	0.55
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	17	0.55
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	17	0.55
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	17	0.55
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	17	0.55
(1,336)	1:182:A:ILE:HA	1:185:A:LEU:HG	19	0.55
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	11	0.55
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	11	0.55
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	11	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	17	0.55
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	17	0.55
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	17	0.55
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	11	0.55
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	11	0.55
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	11	0.55
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	10	0.55
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	10	0.55
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	13	0.55
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	13	0.55
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	17	0.55
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	17	0.55
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	17	0.55
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	17	0.55
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	17	0.55
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	17	0.55
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	6	0.55
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	6	0.55
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	6	0.55
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	9	0.55
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	9	0.55
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	9	0.55
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	17	0.55
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	17	0.55
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	17	0.55
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG21	15	0.55
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG22	15	0.55
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG23	15	0.55
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	12	0.55
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	12	0.55
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	12	0.55
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	3	0.55
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	3	0.55
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	3	0.55
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	19	0.55
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	4	0.55
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	14	0.55
(1,11)	1:191:A:THR:HA	1:192:A:VAL:HB	8	0.55
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB2	8	0.55
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB3	8	0.55
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB2	8	0.55
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB3	8	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	19	0.55
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	6	0.55
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	6	0.55
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	6	0.55
(1,2)	1:136:A:VAL:HA	1:142:A:GLU:H	13	0.55
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	16	0.54
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	16	0.54
(1,1782)	1:194:A:VAL:HG11	1:203:A:TRP:HB2	18	0.54
(1,1782)	1:194:A:VAL:HG12	1:203:A:TRP:HB2	18	0.54
(1,1782)	1:194:A:VAL:HG13	1:203:A:TRP:HB2	18	0.54
(1,1782)	1:194:A:VAL:HG21	1:203:A:TRP:HB2	18	0.54
(1,1782)	1:194:A:VAL:HG22	1:203:A:TRP:HB2	18	0.54
(1,1782)	1:194:A:VAL:HG23	1:203:A:TRP:HB2	18	0.54
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	9	0.54
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	9	0.54
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	9	0.54
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	9	0.54
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	9	0.54
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	9	0.54
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	9	0.54
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	9	0.54
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	9	0.54
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	9	0.54
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	9	0.54
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	9	0.54
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	14	0.54
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	14	0.54
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	14	0.54
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	14	0.54
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	14	0.54
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	14	0.54
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	7	0.54
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	7	0.54
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	7	0.54
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	7	0.54
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	7	0.54
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	7	0.54
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	4	0.54
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	4	0.54
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	4	0.54
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	4	0.54
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	4	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	4	0.54
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG12	1	0.54
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG13	1	0.54
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	4	0.54
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	4	0.54
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG21	13	0.54
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG22	13	0.54
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG23	13	0.54
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG21	13	0.54
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG22	13	0.54
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG23	13	0.54
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	11	0.54
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	11	0.54
(1,1496)	1:108:A:LYS:HD2	1:109:A:GLN:H	9	0.54
(1,1496)	1:108:A:LYS:HD3	1:109:A:GLN:H	9	0.54
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	8	0.54
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	8	0.54
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	17	0.54
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	17	0.54
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	16	0.54
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	16	0.54
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	4	0.54
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	4	0.54
(1,1434)	1:100:A:ARG:HB2	1:101:A:ASP:H	6	0.54
(1,1434)	1:100:A:ARG:HB3	1:101:A:ASP:H	6	0.54
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG2	6	0.54
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG3	6	0.54
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG2	6	0.54
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG3	6	0.54
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	7	0.54
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	7	0.54
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	7	0.54
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	7	0.54
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	7	0.54
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	7	0.54
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	10	0.54
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	10	0.54
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG11	12	0.54
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG12	12	0.54
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG13	12	0.54
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG21	12	0.54
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG22	12	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG23	12	0.54
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG11	12	0.54
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG12	12	0.54
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG13	12	0.54
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG21	12	0.54
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG22	12	0.54
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG23	12	0.54
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	2	0.54
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	2	0.54
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	2	0.54
(1,1309)	1:196:A:GLU:H	1:196:A:GLU:HG3	12	0.54
(1,1308)	1:196:A:GLU:H	1:196:A:GLU:HB2	20	0.54
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	12	0.54
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	12	0.54
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	12	0.54
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	1	0.54
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	15	0.54
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	15	0.54
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD21	20	0.54
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD22	20	0.54
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD23	20	0.54
(1,1184)	1:137:A:ILE:HA	1:138:A:PHE:H	15	0.54
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	15	0.54
(1,1050)	1:137:A:ILE:HA	1:140:A:ARG:H	18	0.54
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	11	0.54
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	13	0.54
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	13	0.54
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	13	0.54
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	19	0.54
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	19	0.54
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	19	0.54
(1,1011)	1:201:A:PHE:H	1:203:A:TRP:H	8	0.54
(1,998)	1:194:A:VAL:HG11	1:199:A:GLN:H	5	0.54
(1,998)	1:194:A:VAL:HG12	1:199:A:GLN:H	5	0.54
(1,998)	1:194:A:VAL:HG13	1:199:A:GLN:H	5	0.54
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	2	0.54
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	14	0.54
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	19	0.54
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	20	0.54
(1,986)	1:194:A:VAL:HB	1:195:A:SER:H	13	0.54
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	6	0.54
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	15	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	10	0.54
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	13	0.54
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	14	0.54
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	15	0.54
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	1	0.54
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	1	0.54
(1,915)	1:183:A:GLY:HA2	1:185:A:LEU:H	8	0.54
(1,915)	1:183:A:GLY:HA3	1:185:A:LEU:H	8	0.54
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	19	0.54
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	19	0.54
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	2	0.54
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	2	0.54
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	2	0.54
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	20	0.54
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	20	0.54
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	20	0.54
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG21	5	0.54
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG22	5	0.54
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG23	5	0.54
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	19	0.54
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	18	0.54
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	11	0.54
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	11	0.54
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	10	0.54
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	9	0.54
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	9	0.54
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	8	0.54
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	8	0.54
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	8	0.54
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	15	0.54
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	15	0.54
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	15	0.54
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	1	0.54
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	10	0.54
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	16	0.54
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	4	0.54
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	4	0.54
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	8	0.54
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	7	0.54
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD21	1	0.54
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD22	1	0.54
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD23	1	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	12	0.54
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	12	0.54
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	12	0.54
(1,403)	1:194:A:VAL:HG11	1:203:A:TRP:HB2	18	0.54
(1,403)	1:194:A:VAL:HG12	1:203:A:TRP:HB2	18	0.54
(1,403)	1:194:A:VAL:HG13	1:203:A:TRP:HB2	18	0.54
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	9	0.54
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	18	0.54
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	5	0.54
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	5	0.54
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	5	0.54
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	7	0.54
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	7	0.54
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	7	0.54
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	18	0.54
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	18	0.54
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	18	0.54
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	9	0.54
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	9	0.54
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	9	0.54
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	9	0.54
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	9	0.54
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	9	0.54
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	10	0.54
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	10	0.54
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD11	1	0.54
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD12	1	0.54
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD13	1	0.54
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD11	1	0.54
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD12	1	0.54
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD13	1	0.54
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	4	0.54
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	4	0.54
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	4	0.54
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	6	0.54
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	6	0.54
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	6	0.54
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	6	0.54
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	6	0.54
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	6	0.54
(1,121)	1:125:A:ASP:H	1:188:A:ASN:HB3	18	0.54
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	15	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	14	0.54
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	14	0.54
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	14	0.54
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	20	0.54
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	20	0.54
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	20	0.54
(1,79)	1:114:A:SER:HA	1:115:A:LEU:HA	10	0.54
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	20	0.54
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG21	10	0.54
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG22	10	0.54
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG23	10	0.54
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG21	10	0.54
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG22	10	0.54
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG23	10	0.54
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	13	0.54
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	13	0.54
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	13	0.54
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	13	0.54
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	4	0.54
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	4	0.54
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	4	0.54
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	2	0.53
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	2	0.53
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	2	0.53
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	2	0.53
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	2	0.53
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	2	0.53
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	18	0.53
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	18	0.53
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	18	0.53
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	18	0.53
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	18	0.53
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	18	0.53
(1,1692)	1:162:A:PRO:HG2	1:163:A:LEU:H	3	0.53
(1,1692)	1:162:A:PRO:HG3	1:163:A:LEU:H	3	0.53
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	20	0.53
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	20	0.53
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	20	0.53
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	20	0.53
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	8	0.53
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	8	0.53
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	8	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	8	0.53
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	8	0.53
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	8	0.53
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	8	0.53
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	8	0.53
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	8	0.53
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	8	0.53
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	8	0.53
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	8	0.53
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	8	0.53
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	8	0.53
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	8	0.53
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	8	0.53
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	8	0.53
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	8	0.53
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	2	0.53
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	2	0.53
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	2	0.53
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	2	0.53
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	2	0.53
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	2	0.53
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	13	0.53
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	13	0.53
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	13	0.53
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	13	0.53
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	13	0.53
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	13	0.53
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	4	0.53
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	4	0.53
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	17	0.53
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	17	0.53
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	3	0.53
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	3	0.53
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD2	15	0.53
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD3	15	0.53
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	5	0.53
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	5	0.53
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	10	0.53
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	10	0.53
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	7	0.53
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	7	0.53
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	11	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	11	0.53
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	15	0.53
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	15	0.53
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	15	0.53
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	15	0.53
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	15	0.53
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	15	0.53
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	15	0.53
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	15	0.53
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	17	0.53
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	17	0.53
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	1	0.53
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	1	0.53
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	1	0.53
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	19	0.53
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	20	0.53
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	7	0.53
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD21	13	0.53
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD22	13	0.53
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD23	13	0.53
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	2	0.53
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	13	0.53
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	13	0.53
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	13	0.53
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	4	0.53
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	1	0.53
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	7	0.53
(1,1048)	1:130:A:LEU:H	1:192:A:VAL:HA	9	0.53
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	8	0.53
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	10	0.53
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	3	0.53
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	19	0.53
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	20	0.53
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	16	0.53
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	1	0.53
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	9	0.53
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	8	0.53
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	8	0.53
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	8	0.53
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	8	0.53
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	4	0.53
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	4	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	4	0.53
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	12	0.53
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	12	0.53
(1,759)	1:152:A:GLU:H	1:152:A:GLU:HG3	15	0.53
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	5	0.53
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	13	0.53
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	13	0.53
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	13	0.53
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	13	0.53
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	13	0.53
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	13	0.53
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	16	0.53
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	16	0.53
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	2	0.53
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	9	0.53
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	13	0.53
(1,596)	1:120:A:ASP:H	1:122:A:ALA:H	17	0.53
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	3	0.53
(1,567)	1:118:A:ARG:HB3	1:119:A:MET:H	2	0.53
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	13	0.53
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	3	0.53
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	3	0.53
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	3	0.53
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	5	0.53
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	5	0.53
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	12	0.53
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	20	0.53
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	6	0.53
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	6	0.53
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	1	0.53
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	1	0.53
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	2	0.53
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	2	0.53
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	15	0.53
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	15	0.53
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	16	0.53
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	16	0.53
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	16	0.53
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	15	0.53
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	15	0.53
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	15	0.53
(1,239)	1:152:A:GLU:HG2	1:153:A:GLU:H	18	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	7	0.53
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	12	0.53
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	12	0.53
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	12	0.53
(1,194)	1:144:A:LEU:HD11	1:146:A:LEU:HA	16	0.53
(1,194)	1:144:A:LEU:HD12	1:146:A:LEU:HA	16	0.53
(1,194)	1:144:A:LEU:HD13	1:146:A:LEU:HA	16	0.53
(1,194)	1:144:A:LEU:HD21	1:146:A:LEU:HA	16	0.53
(1,194)	1:144:A:LEU:HD22	1:146:A:LEU:HA	16	0.53
(1,194)	1:144:A:LEU:HD23	1:146:A:LEU:HA	16	0.53
(1,183)	1:87:A:SER:HB2	1:137:A:ILE:HB	18	0.53
(1,183)	1:87:A:SER:HB3	1:137:A:ILE:HB	18	0.53
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	4	0.53
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	4	0.53
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	14	0.53
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	14	0.53
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG21	3	0.53
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG22	3	0.53
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG23	3	0.53
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG21	3	0.53
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG22	3	0.53
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG23	3	0.53
(1,147)	1:130:A:LEU:HD21	1:149:A:ALA:HA	16	0.53
(1,147)	1:130:A:LEU:HD22	1:149:A:ALA:HA	16	0.53
(1,147)	1:130:A:LEU:HD23	1:149:A:ALA:HA	16	0.53
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	12	0.53
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	20	0.53
(1,121)	1:125:A:ASP:H	1:188:A:ASN:HB3	15	0.53
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	18	0.53
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	12	0.53
(1,14)	1:146:A:LEU:HG	1:161:A:SER:HA	12	0.53
(1,1782)	1:194:A:VAL:HG11	1:203:A:TRP:HB2	9	0.52
(1,1782)	1:194:A:VAL:HG12	1:203:A:TRP:HB2	9	0.52
(1,1782)	1:194:A:VAL:HG13	1:203:A:TRP:HB2	9	0.52
(1,1782)	1:194:A:VAL:HG21	1:203:A:TRP:HB2	9	0.52
(1,1782)	1:194:A:VAL:HG22	1:203:A:TRP:HB2	9	0.52
(1,1782)	1:194:A:VAL:HG23	1:203:A:TRP:HB2	9	0.52
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	9	0.52
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	9	0.52
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	11	0.52
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	11	0.52
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	11	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	11	0.52
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	11	0.52
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	11	0.52
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	11	0.52
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	11	0.52
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	11	0.52
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	11	0.52
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	11	0.52
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	11	0.52
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	10	0.52
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	10	0.52
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	10	0.52
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	10	0.52
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	10	0.52
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	10	0.52
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	11	0.52
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	11	0.52
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	11	0.52
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	11	0.52
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	11	0.52
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	11	0.52
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	11	0.52
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	11	0.52
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	11	0.52
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	11	0.52
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	11	0.52
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	11	0.52
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	11	0.52
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	11	0.52
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	11	0.52
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	11	0.52
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	11	0.52
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	11	0.52
(1,1605)	1:126:A:LYS:HB2	1:152:A:GLU:HG3	16	0.52
(1,1605)	1:126:A:LYS:HB3	1:152:A:GLU:HG3	16	0.52
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	20	0.52
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	20	0.52
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	5	0.52
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	5	0.52
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	5	0.52
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	5	0.52
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	5	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	5	0.52
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	19	0.52
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	19	0.52
(1,1471)	1:105:A:LEU:HD11	1:122:A:ALA:H	12	0.52
(1,1471)	1:105:A:LEU:HD12	1:122:A:ALA:H	12	0.52
(1,1471)	1:105:A:LEU:HD13	1:122:A:ALA:H	12	0.52
(1,1471)	1:105:A:LEU:HD21	1:122:A:ALA:H	12	0.52
(1,1471)	1:105:A:LEU:HD22	1:122:A:ALA:H	12	0.52
(1,1471)	1:105:A:LEU:HD23	1:122:A:ALA:H	12	0.52
(1,1471)	1:105:A:LEU:HD11	1:122:A:ALA:H	19	0.52
(1,1471)	1:105:A:LEU:HD12	1:122:A:ALA:H	19	0.52
(1,1471)	1:105:A:LEU:HD13	1:122:A:ALA:H	19	0.52
(1,1471)	1:105:A:LEU:HD21	1:122:A:ALA:H	19	0.52
(1,1471)	1:105:A:LEU:HD22	1:122:A:ALA:H	19	0.52
(1,1471)	1:105:A:LEU:HD23	1:122:A:ALA:H	19	0.52
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	8	0.52
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	8	0.52
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	10	0.52
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	10	0.52
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	6	0.52
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	6	0.52
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	3	0.52
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	3	0.52
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	10	0.52
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	10	0.52
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	10	0.52
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	10	0.52
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	10	0.52
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	10	0.52
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	10	0.52
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	10	0.52
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	10	0.52
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	10	0.52
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	10	0.52
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	10	0.52
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	4	0.52
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	4	0.52
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	4	0.52
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	4	0.52
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	4	0.52
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	4	0.52
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	9	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	9	0.52
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	10	0.52
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	10	0.52
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	12	0.52
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	12	0.52
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	2	0.52
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	2	0.52
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	2	0.52
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	2	0.52
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	2	0.52
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	2	0.52
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	4	0.52
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	4	0.52
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	4	0.52
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	4	0.52
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	4	0.52
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	4	0.52
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	7	0.52
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	7	0.52
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	7	0.52
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	7	0.52
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	7	0.52
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	7	0.52
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	15	0.52
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	17	0.52
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	11	0.52
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	6	0.52
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	16	0.52
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	16	0.52
(1,1177)	1:135:A:SER:H	1:145:A:ILE:HB	15	0.52
(1,1160)	1:131:A:LYS:H	1:147:A:LEU:HG	6	0.52
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	9	0.52
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	16	0.52
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	4	0.52
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	11	0.52
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	14	0.52
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	14	0.52
(1,1042)	1:136:A:VAL:H	1:142:A:GLU:HB2	9	0.52
(1,1042)	1:136:A:VAL:H	1:142:A:GLU:HB3	9	0.52
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	8	0.52
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	8	0.52
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	8	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	12	0.52
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	2	0.52
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	2	0.52
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	2	0.52
(1,986)	1:194:A:VAL:HB	1:195:A:SER:H	19	0.52
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	3	0.52
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	6	0.52
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	2	0.52
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	5	0.52
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	7	0.52
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	11	0.52
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	12	0.52
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	18	0.52
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	6	0.52
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	16	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	1	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	1	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	1	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	2	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	2	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	2	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	6	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	6	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	6	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	11	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	11	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	11	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	18	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	18	0.52
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	18	0.52
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	1	0.52
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	1	0.52
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	1	0.52
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	13	0.52
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	19	0.52
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	6	0.52
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	6	0.52
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	6	0.52
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	12	0.52
(1,759)	1:152:A:GLU:H	1:152:A:GLU:HG3	19	0.52
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	20	0.52
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	5	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	20	0.52
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	20	0.52
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	19	0.52
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	6	0.52
(1,567)	1:118:A:ARG:HB3	1:119:A:MET:H	12	0.52
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	8	0.52
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	2	0.52
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	3	0.52
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	5	0.52
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	13	0.52
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	14	0.52
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	2	0.52
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	2	0.52
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	2	0.52
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	19	0.52
(1,339)	1:182:A:ILE:HD11	1:192:A:VAL:HB	7	0.52
(1,339)	1:182:A:ILE:HD12	1:192:A:VAL:HB	7	0.52
(1,339)	1:182:A:ILE:HD13	1:192:A:VAL:HB	7	0.52
(1,320)	1:178:A:VAL:HG21	1:203:A:TRP:HB2	4	0.52
(1,320)	1:178:A:VAL:HG22	1:203:A:TRP:HB2	4	0.52
(1,320)	1:178:A:VAL:HG23	1:203:A:TRP:HB2	4	0.52
(1,239)	1:152:A:GLU:HG2	1:153:A:GLU:H	4	0.52
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	2	0.52
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	2	0.52
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	8	0.52
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	8	0.52
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	8	0.52
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	7	0.52
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	7	0.52
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	7	0.52
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	1	0.52
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	1	0.52
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	1	0.52
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE1	2	0.52
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE2	2	0.52
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE3	2	0.52
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	7	0.52
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	7	0.52
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	7	0.52
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	7	0.52
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	17	0.52
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	17	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	17	0.52
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	17	0.52
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	2	0.51
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	2	0.51
(1,1800)	1:199:A:GLN:HB2	1:203:A:TRP:HD1	13	0.51
(1,1800)	1:199:A:GLN:HB3	1:203:A:TRP:HD1	13	0.51
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG11	9	0.51
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG12	9	0.51
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG13	9	0.51
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG21	9	0.51
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG22	9	0.51
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG23	9	0.51
(1,1692)	1:162:A:PRO:HG2	1:163:A:LEU:H	1	0.51
(1,1692)	1:162:A:PRO:HG3	1:163:A:LEU:H	1	0.51
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	6	0.51
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	6	0.51
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	9	0.51
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	9	0.51
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	18	0.51
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	18	0.51
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	13	0.51
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	13	0.51
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	13	0.51
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	13	0.51
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	13	0.51
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	13	0.51
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	13	0.51
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	13	0.51
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	13	0.51
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	13	0.51
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	13	0.51
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	13	0.51
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	5	0.51
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	5	0.51
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	5	0.51
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	5	0.51
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	13	0.51
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	13	0.51
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	13	0.51
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	13	0.51
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	19	0.51
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	19	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	19	0.51
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	19	0.51
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	19	0.51
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	19	0.51
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	3	0.51
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	3	0.51
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	3	0.51
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	3	0.51
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	3	0.51
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	3	0.51
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	3	0.51
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	3	0.51
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	3	0.51
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	3	0.51
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	3	0.51
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	3	0.51
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	3	0.51
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	3	0.51
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	3	0.51
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	3	0.51
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	3	0.51
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	3	0.51
(1,1622)	1:129:A:ILE:HD11	1:193:A:ARG:HB2	7	0.51
(1,1622)	1:129:A:ILE:HD11	1:193:A:ARG:HB3	7	0.51
(1,1622)	1:129:A:ILE:HD12	1:193:A:ARG:HB2	7	0.51
(1,1622)	1:129:A:ILE:HD12	1:193:A:ARG:HB3	7	0.51
(1,1622)	1:129:A:ILE:HD13	1:193:A:ARG:HB2	7	0.51
(1,1622)	1:129:A:ILE:HD13	1:193:A:ARG:HB3	7	0.51
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	14	0.51
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	14	0.51
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	14	0.51
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	14	0.51
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	14	0.51
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	14	0.51
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	14	0.51
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	14	0.51
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	1	0.51
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	1	0.51
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	7	0.51
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	7	0.51
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	19	0.51
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	19	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:108:A:LYS:HB2	1:121:A:GLN:H	4	0.51
(1,1487)	1:108:A:LYS:HB3	1:121:A:GLN:H	4	0.51
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	14	0.51
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	14	0.51
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	19	0.51
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	19	0.51
(1,1471)	1:105:A:LEU:HD11	1:122:A:ALA:H	18	0.51
(1,1471)	1:105:A:LEU:HD12	1:122:A:ALA:H	18	0.51
(1,1471)	1:105:A:LEU:HD13	1:122:A:ALA:H	18	0.51
(1,1471)	1:105:A:LEU:HD21	1:122:A:ALA:H	18	0.51
(1,1471)	1:105:A:LEU:HD22	1:122:A:ALA:H	18	0.51
(1,1471)	1:105:A:LEU:HD23	1:122:A:ALA:H	18	0.51
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	3	0.51
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	3	0.51
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	19	0.51
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	19	0.51
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	10	0.51
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	10	0.51
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	11	0.51
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	11	0.51
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	13	0.51
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	13	0.51
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	13	0.51
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	13	0.51
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	13	0.51
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	13	0.51
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	13	0.51
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	13	0.51
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	13	0.51
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	13	0.51
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	13	0.51
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	13	0.51
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB2	12	0.51
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB3	12	0.51
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB2	12	0.51
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB3	12	0.51
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB2	12	0.51
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB3	12	0.51
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	1	0.51
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	1	0.51
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	1	0.51
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	1	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	1	0.51
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	1	0.51
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	7	0.51
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	7	0.51
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	7	0.51
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	7	0.51
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	7	0.51
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	7	0.51
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	17	0.51
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	17	0.51
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	7	0.51
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	7	0.51
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	17	0.51
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	17	0.51
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	6	0.51
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	6	0.51
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	12	0.51
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	12	0.51
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	12	0.51
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	12	0.51
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	12	0.51
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	12	0.51
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	19	0.51
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	19	0.51
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	19	0.51
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	19	0.51
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	19	0.51
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	19	0.51
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	16	0.51
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	18	0.51
(1,1290)	1:190:A:ASN:H	1:191:A:THR:HA	7	0.51
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	10	0.51
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	10	0.51
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	19	0.51
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	19	0.51
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG21	3	0.51
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG22	3	0.51
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG23	3	0.51
(1,1177)	1:135:A:SER:H	1:145:A:ILE:HB	4	0.51
(1,1177)	1:135:A:SER:H	1:145:A:ILE:HB	20	0.51
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	13	0.51
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	6	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	6	0.51
(1,1019)	1:203:A:TRP:HA	1:204:A:ARG:H	13	0.51
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	2	0.51
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	4	0.51
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	9	0.51
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	13	0.51
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	20	0.51
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	20	0.51
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	6	0.51
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	6	0.51
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	6	0.51
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	5	0.51
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	5	0.51
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	5	0.51
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	7	0.51
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	7	0.51
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	7	0.51
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	8	0.51
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	8	0.51
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	8	0.51
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	15	0.51
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	15	0.51
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	15	0.51
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	3	0.51
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	7	0.51
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	9	0.51
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	1	0.51
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	8	0.51
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	8	0.51
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	15	0.51
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	15	0.51
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	17	0.51
(1,669)	1:132:A:ALA:H	1:134:A:PHE:HD1	8	0.51
(1,669)	1:132:A:ALA:H	1:134:A:PHE:HD2	8	0.51
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	20	0.51
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	2	0.51
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	2	0.51
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	2	0.51
(1,612)	1:124:A:MET:H	1:124:A:MET:HB2	13	0.51
(1,612)	1:124:A:MET:H	1:124:A:MET:HB2	14	0.51
(1,590)	1:121:A:GLN:H	1:121:A:GLN:HG3	3	0.51
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	1	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	5	0.51
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	5	0.51
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	5	0.51
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	10	0.51
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	19	0.51
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	19	0.51
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	19	0.51
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	19	0.51
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB1	8	0.51
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB2	8	0.51
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB3	8	0.51
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	1	0.51
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	15	0.51
(1,371)	1:191:A:THR:HG21	1:193:A:ARG:HD3	6	0.51
(1,371)	1:191:A:THR:HG22	1:193:A:ARG:HD3	6	0.51
(1,371)	1:191:A:THR:HG23	1:193:A:ARG:HD3	6	0.51
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	4	0.51
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	4	0.51
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	20	0.51
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	20	0.51
(1,339)	1:182:A:ILE:HD11	1:192:A:VAL:HB	12	0.51
(1,339)	1:182:A:ILE:HD12	1:192:A:VAL:HB	12	0.51
(1,339)	1:182:A:ILE:HD13	1:192:A:VAL:HB	12	0.51
(1,320)	1:178:A:VAL:HG21	1:203:A:TRP:HB2	10	0.51
(1,320)	1:178:A:VAL:HG22	1:203:A:TRP:HB2	10	0.51
(1,320)	1:178:A:VAL:HG23	1:203:A:TRP:HB2	10	0.51
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	19	0.51
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	19	0.51
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	19	0.51
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG21	3	0.51
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG22	3	0.51
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG23	3	0.51
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG21	15	0.51
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG22	15	0.51
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG23	15	0.51
(1,194)	1:144:A:LEU:HD11	1:146:A:LEU:HA	20	0.51
(1,194)	1:144:A:LEU:HD12	1:146:A:LEU:HA	20	0.51
(1,194)	1:144:A:LEU:HD13	1:146:A:LEU:HA	20	0.51
(1,194)	1:144:A:LEU:HD21	1:146:A:LEU:HA	20	0.51
(1,194)	1:144:A:LEU:HD22	1:146:A:LEU:HA	20	0.51
(1,194)	1:144:A:LEU:HD23	1:146:A:LEU:HA	20	0.51
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	3	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	3	0.51
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	3	0.51
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	5	0.51
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	5	0.51
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	5	0.51
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	5	0.51
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	5	0.51
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	20	0.51
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	20	0.51
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	5	0.51
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	11	0.51
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	11	0.51
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	11	0.51
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	14	0.51
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG21	15	0.51
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG22	15	0.51
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG23	15	0.51
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG21	15	0.51
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG22	15	0.51
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG23	15	0.51
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG21	15	0.51
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG22	15	0.51
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG23	15	0.51
(1,11)	1:191:A:THR:HA	1:192:A:VAL:HB	11	0.51
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB2	1	0.51
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB3	1	0.51
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB2	1	0.51
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB3	1	0.51
(1,1)	1:136:A:VAL:HG11	1:142:A:GLU:H	5	0.51
(1,1)	1:136:A:VAL:HG12	1:142:A:GLU:H	5	0.51
(1,1)	1:136:A:VAL:HG13	1:142:A:GLU:H	5	0.51
(1,1794)	1:197:A:THR:HA	1:200:A:ARG:HD2	7	0.5
(1,1794)	1:197:A:THR:HA	1:200:A:ARG:HD3	7	0.5
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG11	20	0.5
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG12	20	0.5
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG13	20	0.5
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG21	20	0.5
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG22	20	0.5
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG23	20	0.5
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	1	0.5
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	1	0.5
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	1	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	1	0.5
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	1	0.5
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	1	0.5
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	9	0.5
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	9	0.5
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	9	0.5
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	9	0.5
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	9	0.5
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	9	0.5
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG11	4	0.5
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG12	4	0.5
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG13	4	0.5
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG21	4	0.5
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG22	4	0.5
(1,1755)	1:185:A:LEU:HB2	1:192:A:VAL:HG23	4	0.5
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG11	4	0.5
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG12	4	0.5
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG13	4	0.5
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG21	4	0.5
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG22	4	0.5
(1,1755)	1:185:A:LEU:HB3	1:192:A:VAL:HG23	4	0.5
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	10	0.5
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	10	0.5
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	9	0.5
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	9	0.5
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	12	0.5
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	12	0.5
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	12	0.5
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	12	0.5
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	12	0.5
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	12	0.5
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	8	0.5
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	8	0.5
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	15	0.5
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	15	0.5
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	15	0.5
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	15	0.5
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	15	0.5
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	15	0.5
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	5	0.5
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	5	0.5
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	5	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	5	0.5
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	5	0.5
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	5	0.5
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	5	0.5
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	5	0.5
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	5	0.5
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	5	0.5
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	5	0.5
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	5	0.5
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	5	0.5
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	5	0.5
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	5	0.5
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	5	0.5
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	5	0.5
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	5	0.5
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	3	0.5
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	3	0.5
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	12	0.5
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	12	0.5
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	5	0.5
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	5	0.5
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	4	0.5
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	4	0.5
(1,1442)	1:100:A:ARG:HD2	1:156:A:ILE:H	16	0.5
(1,1442)	1:100:A:ARG:HD3	1:156:A:ILE:H	16	0.5
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	9	0.5
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	9	0.5
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	18	0.5
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	18	0.5
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	8	0.5
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	8	0.5
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	8	0.5
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	8	0.5
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	8	0.5
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	8	0.5
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	11	0.5
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	11	0.5
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	15	0.5
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	15	0.5
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	18	0.5
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	18	0.5
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	11	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	11	0.5
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	11	0.5
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	11	0.5
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	11	0.5
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	11	0.5
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	6	0.5
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	6	0.5
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	6	0.5
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	19	0.5
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	19	0.5
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	19	0.5
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	20	0.5
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	20	0.5
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	20	0.5
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG21	14	0.5
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG22	14	0.5
(1,1335)	1:134:A:PHE:HD1	1:197:A:THR:HG23	14	0.5
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG21	14	0.5
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG22	14	0.5
(1,1335)	1:134:A:PHE:HD2	1:197:A:THR:HG23	14	0.5
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	5	0.5
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	5	0.5
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	5	0.5
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	14	0.5
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	14	0.5
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	14	0.5
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	19	0.5
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	19	0.5
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	19	0.5
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	16	0.5
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	2	0.5
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	7	0.5
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	8	0.5
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	3	0.5
(1,1091)	1:100:A:ARG:H	1:100:A:ARG:HG3	10	0.5
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	13	0.5
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	13	0.5
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	13	0.5
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	12	0.5
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	7	0.5
(1,972)	1:192:A:VAL:H	1:193:A:ARG:HD3	13	0.5
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	20	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	2	0.5
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	10	0.5
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	4	0.5
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	8	0.5
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	8	0.5
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	1	0.5
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	18	0.5
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	1	0.5
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	1	0.5
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	1	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	9	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	9	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	9	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	12	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	12	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	12	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	13	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	13	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	13	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	14	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	14	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	14	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	16	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	16	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	16	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	17	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	17	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	17	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	19	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	19	0.5
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	19	0.5
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	4	0.5
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	4	0.5
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	4	0.5
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	13	0.5
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	8	0.5
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	8	0.5
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	8	0.5
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	1	0.5
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	5	0.5
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	4	0.5
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	4	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	6	0.5
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	2	0.5
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	9	0.5
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	9	0.5
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	9	0.5
(1,759)	1:152:A:GLU:H	1:152:A:GLU:HG3	17	0.5
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	8	0.5
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	10	0.5
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	10	0.5
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	18	0.5
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	20	0.5
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	1	0.5
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	3	0.5
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	19	0.5
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	2	0.5
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	20	0.5
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	20	0.5
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	20	0.5
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	10	0.5
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	10	0.5
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	10	0.5
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	19	0.5
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	19	0.5
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	19	0.5
(1,488)	1:98:A:MET:H	1:98:A:MET:HG3	17	0.5
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	15	0.5
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	9	0.5
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	18	0.5
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	6	0.5
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	1	0.5
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	1	0.5
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	1	0.5
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	18	0.5
(1,422)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	18	0.5
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	18	0.5
(1,422)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	18	0.5
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	18	0.5
(1,422)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	18	0.5
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	5	0.5
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	5	0.5
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	5	0.5
(1,357)	1:121:A:GLN:HA	1:188:A:ASN:HD22	11	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	5	0.5
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	5	0.5
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	7	0.5
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	7	0.5
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	1	0.5
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	1	0.5
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	1	0.5
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	1	0.5
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	20	0.5
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	20	0.5
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	20	0.5
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	20	0.5
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	10	0.5
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	10	0.5
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	10	0.5
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG21	12	0.5
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG22	12	0.5
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG23	12	0.5
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	4	0.5
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	4	0.5
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	4	0.5
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	8	0.5
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	8	0.5
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	8	0.5
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD11	3	0.5
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD12	3	0.5
(1,197)	1:144:A:LEU:HA	1:145:A:ILE:HD13	3	0.5
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	20	0.5
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	20	0.5
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	20	0.5
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	10	0.5
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	10	0.5
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	10	0.5
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	17	0.5
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	17	0.5
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	17	0.5
(1,176)	1:136:A:VAL:HG21	1:137:A:ILE:H	9	0.5
(1,176)	1:136:A:VAL:HG22	1:137:A:ILE:H	9	0.5
(1,176)	1:136:A:VAL:HG23	1:137:A:ILE:H	9	0.5
(1,175)	1:87:A:SER:HB2	1:136:A:VAL:H	7	0.5
(1,175)	1:87:A:SER:HB3	1:136:A:VAL:H	7	0.5
(1,160)	1:93:A:MET:HE1	1:133:A:ASN:HB3	17	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:93:A:MET:HE2	1:133:A:ASN:HB3	17	0.5
(1,160)	1:93:A:MET:HE3	1:133:A:ASN:HB3	17	0.5
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	5	0.5
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	5	0.5
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	5	0.5
(1,117)	1:123:A:ILE:HG21	1:126:A:LYS:HB2	19	0.5
(1,117)	1:123:A:ILE:HG22	1:126:A:LYS:HB2	19	0.5
(1,117)	1:123:A:ILE:HG23	1:126:A:LYS:HB2	19	0.5
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	7	0.5
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	7	0.5
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	7	0.5
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	11	0.5
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	11	0.5
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	11	0.5
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	4	0.5
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	4	0.5
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	4	0.5
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	7	0.5
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	7	0.5
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	7	0.5
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	19	0.5
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	19	0.5
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	19	0.5
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	18	0.5
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	18	0.5
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	18	0.5
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	18	0.5
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	16	0.49
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	16	0.49
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	16	0.49
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	16	0.49
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	16	0.49
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	16	0.49
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	18	0.49
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	18	0.49
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	18	0.49
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	18	0.49
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	18	0.49
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	18	0.49
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	15	0.49
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	15	0.49
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	1	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	1	0.49
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	9	0.49
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	9	0.49
(1,1438)	1:100:A:ARG:HG2	1:101:A:ASP:H	8	0.49
(1,1438)	1:100:A:ARG:HG3	1:101:A:ASP:H	8	0.49
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD2	17	0.49
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD3	17	0.49
(1,1423)	1:98:A:MET:HB2	1:99:A:SER:H	4	0.49
(1,1423)	1:98:A:MET:HB3	1:99:A:SER:H	4	0.49
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	12	0.49
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	12	0.49
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	12	0.49
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	12	0.49
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	9	0.49
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	9	0.49
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	9	0.49
(1,1308)	1:196:A:GLU:H	1:196:A:GLU:HB2	17	0.49
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	14	0.49
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	19	0.49
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	13	0.49
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	14	0.49
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	2	0.49
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	16	0.49
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	17	0.49
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	10	0.49
(1,1278)	1:180:A:VAL:HA	1:183:A:GLY:H	7	0.49
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	8	0.49
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	8	0.49
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	8	0.49
(1,1177)	1:135:A:SER:H	1:145:A:ILE:HB	10	0.49
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	14	0.49
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	5	0.49
(1,1019)	1:203:A:TRP:HA	1:204:A:ARG:H	1	0.49
(1,1016)	1:203:A:TRP:H	1:203:A:TRP:HB3	7	0.49
(1,1016)	1:203:A:TRP:H	1:203:A:TRP:HB3	16	0.49
(1,992)	1:197:A:THR:H	1:197:A:THR:HG21	4	0.49
(1,992)	1:197:A:THR:H	1:197:A:THR:HG22	4	0.49
(1,992)	1:197:A:THR:H	1:197:A:THR:HG23	4	0.49
(1,992)	1:197:A:THR:H	1:197:A:THR:HG21	14	0.49
(1,992)	1:197:A:THR:H	1:197:A:THR:HG22	14	0.49
(1,992)	1:197:A:THR:H	1:197:A:THR:HG23	14	0.49
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	16	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	15	0.49
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	6	0.49
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	11	0.49
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	17	0.49
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	17	0.49
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	17	0.49
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	3	0.49
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	3	0.49
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	3	0.49
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	8	0.49
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	13	0.49
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	13	0.49
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	13	0.49
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	20	0.49
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	12	0.49
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	10	0.49
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	10	0.49
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	11	0.49
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	1	0.49
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	4	0.49
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	20	0.49
(1,700)	1:87:A:SER:HA	1:138:A:PHE:H	13	0.49
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	16	0.49
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	20	0.49
(1,612)	1:124:A:MET:H	1:124:A:MET:HB2	3	0.49
(1,612)	1:124:A:MET:H	1:124:A:MET:HB2	10	0.49
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	14	0.49
(1,564)	1:117:A:ILE:HG21	1:119:A:MET:H	17	0.49
(1,564)	1:117:A:ILE:HG22	1:119:A:MET:H	17	0.49
(1,564)	1:117:A:ILE:HG23	1:119:A:MET:H	17	0.49
(1,553)	1:115:A:LEU:H	1:115:A:LEU:HG	2	0.49
(1,553)	1:115:A:LEU:H	1:115:A:LEU:HG	7	0.49
(1,540)	1:109:A:GLN:HG2	1:111:A:VAL:H	16	0.49
(1,423)	1:203:A:TRP:HA	1:203:A:TRP:HD1	3	0.49
(1,408)	1:199:A:GLN:HA	1:203:A:TRP:HD1	15	0.49
(1,404)	1:194:A:VAL:HG21	1:203:A:TRP:HB2	18	0.49
(1,404)	1:194:A:VAL:HG22	1:203:A:TRP:HB2	18	0.49
(1,404)	1:194:A:VAL:HG23	1:203:A:TRP:HB2	18	0.49
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	10	0.49
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	15	0.49
(1,322)	1:112:A:ALA:HB1	1:180:A:VAL:H	4	0.49
(1,322)	1:112:A:ALA:HB2	1:180:A:VAL:H	4	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,322)	1:112:A:ALA:HB3	1:180:A:VAL:H	4	0.49
(1,320)	1:178:A:VAL:HG21	1:203:A:TRP:HB2	11	0.49
(1,320)	1:178:A:VAL:HG22	1:203:A:TRP:HB2	11	0.49
(1,320)	1:178:A:VAL:HG23	1:203:A:TRP:HB2	11	0.49
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	13	0.49
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	12	0.49
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	12	0.49
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	12	0.49
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	1	0.49
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	1	0.49
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	1	0.49
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	12	0.49
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	12	0.49
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	12	0.49
(1,160)	1:93:A:MET:HE1	1:133:A:ASN:HB3	16	0.49
(1,160)	1:93:A:MET:HE2	1:133:A:ASN:HB3	16	0.49
(1,160)	1:93:A:MET:HE3	1:133:A:ASN:HB3	16	0.49
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	1	0.49
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	1	0.49
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	1	0.49
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	19	0.49
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	20	0.49
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	20	0.49
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	20	0.49
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	17	0.49
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	17	0.49
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	17	0.49
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD11	10	0.49
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD12	10	0.49
(1,91)	1:115:A:LEU:HG	1:117:A:ILE:HD13	10	0.49
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	7	0.49
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	7	0.49
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	7	0.49
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	2	0.49
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	2	0.49
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	2	0.49
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	16	0.49
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	17	0.49
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	13	0.49
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	11	0.49
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	11	0.49
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	11	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	11	0.49
(1,1692)	1:162:A:PRO:HG2	1:163:A:LEU:H	6	0.48
(1,1692)	1:162:A:PRO:HG3	1:163:A:LEU:H	6	0.48
(1,1692)	1:162:A:PRO:HG2	1:163:A:LEU:H	14	0.48
(1,1692)	1:162:A:PRO:HG3	1:163:A:LEU:H	14	0.48
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG11	9	0.48
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG12	9	0.48
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG13	9	0.48
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG21	9	0.48
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG22	9	0.48
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG23	9	0.48
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	20	0.48
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	20	0.48
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	20	0.48
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	20	0.48
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	20	0.48
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	20	0.48
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	20	0.48
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	20	0.48
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	20	0.48
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	20	0.48
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	20	0.48
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	20	0.48
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	20	0.48
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	20	0.48
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	20	0.48
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	20	0.48
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	20	0.48
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	20	0.48
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	17	0.48
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	17	0.48
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	17	0.48
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	17	0.48
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	17	0.48
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	17	0.48
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	2	0.48
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	2	0.48
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	14	0.48
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	14	0.48
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	18	0.48
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	18	0.48
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	12	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	12	0.48
(1,1424)	1:98:A:MET:HG2	1:100:A:ARG:H	12	0.48
(1,1424)	1:98:A:MET:HG3	1:100:A:ARG:H	12	0.48
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	13	0.48
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	13	0.48
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	9	0.48
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	9	0.48
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG2	15	0.48
(1,1397)	1:95:A:LEU:H	1:98:A:MET:HG3	15	0.48
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	3	0.48
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	3	0.48
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	17	0.48
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	17	0.48
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD11	19	0.48
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD12	19	0.48
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD13	19	0.48
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD21	19	0.48
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD22	19	0.48
(1,1393)	1:94:A:THR:HB	1:95:A:LEU:HD23	19	0.48
(1,1374)	1:90:A:LEU:HD11	1:197:A:THR:HA	15	0.48
(1,1374)	1:90:A:LEU:HD12	1:197:A:THR:HA	15	0.48
(1,1374)	1:90:A:LEU:HD13	1:197:A:THR:HA	15	0.48
(1,1374)	1:90:A:LEU:HD21	1:197:A:THR:HA	15	0.48
(1,1374)	1:90:A:LEU:HD22	1:197:A:THR:HA	15	0.48
(1,1374)	1:90:A:LEU:HD23	1:197:A:THR:HA	15	0.48
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	18	0.48
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	18	0.48
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	18	0.48
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	18	0.48
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	18	0.48
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	18	0.48
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	4	0.48
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	4	0.48
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	4	0.48
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	4	0.48
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	4	0.48
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	4	0.48
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG11	9	0.48
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG12	9	0.48
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG13	9	0.48
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG21	9	0.48
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG22	9	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG23	9	0.48
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG11	9	0.48
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG12	9	0.48
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG13	9	0.48
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG21	9	0.48
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG22	9	0.48
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG23	9	0.48
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG11	16	0.48
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG12	16	0.48
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG13	16	0.48
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG21	16	0.48
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG22	16	0.48
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG23	16	0.48
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG11	16	0.48
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG12	16	0.48
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG13	16	0.48
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG21	16	0.48
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG22	16	0.48
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG23	16	0.48
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	12	0.48
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	12	0.48
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	12	0.48
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	12	0.48
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	12	0.48
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	12	0.48
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	12	0.48
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	12	0.48
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	12	0.48
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	4	0.48
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	4	0.48
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	4	0.48
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	13	0.48
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	13	0.48
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	13	0.48
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	15	0.48
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	17	0.48
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	5	0.48
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	5	0.48
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	14	0.48
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	14	0.48
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	9	0.48
(1,1278)	1:180:A:VAL:HA	1:183:A:GLY:H	18	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD21	5	0.48
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD22	5	0.48
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD23	5	0.48
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	9	0.48
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	9	0.48
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	9	0.48
(1,1181)	1:136:A:VAL:H	1:136:A:VAL:HG11	9	0.48
(1,1181)	1:136:A:VAL:H	1:136:A:VAL:HG12	9	0.48
(1,1181)	1:136:A:VAL:H	1:136:A:VAL:HG13	9	0.48
(1,1175)	1:135:A:SER:H	1:144:A:LEU:HA	8	0.48
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	1	0.48
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	2	0.48
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	5	0.48
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	4	0.48
(1,1083)	1:94:A:THR:H	1:98:A:MET:H	12	0.48
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	8	0.48
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	1	0.48
(1,1019)	1:203:A:TRP:HA	1:204:A:ARG:H	6	0.48
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	19	0.48
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	6	0.48
(1,986)	1:194:A:VAL:HB	1:195:A:SER:H	3	0.48
(1,986)	1:194:A:VAL:HB	1:195:A:SER:H	4	0.48
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	17	0.48
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	18	0.48
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	1	0.48
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	19	0.48
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	13	0.48
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	13	0.48
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	14	0.48
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	14	0.48
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	15	0.48
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	15	0.48
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	1	0.48
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	1	0.48
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	1	0.48
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	6	0.48
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	6	0.48
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	6	0.48
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	9	0.48
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	20	0.48
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	20	0.48
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	20	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	13	0.48
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	8	0.48
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	6	0.48
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	10	0.48
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	11	0.48
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	18	0.48
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	2	0.48
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	2	0.48
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	18	0.48
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	18	0.48
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	15	0.48
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	15	0.48
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	15	0.48
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	12	0.48
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	12	0.48
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	12	0.48
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	20	0.48
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	18	0.48
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	18	0.48
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	14	0.48
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD11	8	0.48
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD12	8	0.48
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD13	8	0.48
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD21	8	0.48
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD22	8	0.48
(1,683)	1:134:A:PHE:H	1:144:A:LEU:HD23	8	0.48
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	11	0.48
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	19	0.48
(1,652)	1:128:A:ILE:H	1:192:A:VAL:HA	9	0.48
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	14	0.48
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	14	0.48
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	14	0.48
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	4	0.48
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	12	0.48
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	13	0.48
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	19	0.48
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	18	0.48
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	11	0.48
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	11	0.48
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	17	0.48
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	17	0.48
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	17	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:182:A:ILE:HD11	1:203:A:TRP:HZ2	5	0.48
(1,415)	1:182:A:ILE:HD12	1:203:A:TRP:HZ2	5	0.48
(1,415)	1:182:A:ILE:HD13	1:203:A:TRP:HZ2	5	0.48
(1,415)	1:182:A:ILE:HD11	1:203:A:TRP:HZ2	20	0.48
(1,415)	1:182:A:ILE:HD12	1:203:A:TRP:HZ2	20	0.48
(1,415)	1:182:A:ILE:HD13	1:203:A:TRP:HZ2	20	0.48
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	16	0.48
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	15	0.48
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	15	0.48
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	15	0.48
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	15	0.48
(1,280)	1:158:A:GLY:HA2	1:181:A:LEU:HD11	6	0.48
(1,280)	1:158:A:GLY:HA2	1:181:A:LEU:HD12	6	0.48
(1,280)	1:158:A:GLY:HA2	1:181:A:LEU:HD13	6	0.48
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	19	0.48
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	19	0.48
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	19	0.48
(1,257)	1:100:A:ARG:HD2	1:156:A:ILE:HD11	3	0.48
(1,257)	1:100:A:ARG:HD2	1:156:A:ILE:HD12	3	0.48
(1,257)	1:100:A:ARG:HD2	1:156:A:ILE:HD13	3	0.48
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	9	0.48
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	4	0.48
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	4	0.48
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	4	0.48
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	8	0.48
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	8	0.48
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	8	0.48
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	13	0.48
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	13	0.48
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	13	0.48
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	17	0.48
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	17	0.48
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	17	0.48
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	2	0.48
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	2	0.48
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	2	0.48
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG21	13	0.48
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG22	13	0.48
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG23	13	0.48
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG21	13	0.48
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG22	13	0.48
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG23	13	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	18	0.48
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG21	16	0.48
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG22	16	0.48
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG23	16	0.48
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	9	0.48
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	4	0.48
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	4	0.48
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	4	0.48
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	18	0.48
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	18	0.48
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	18	0.48
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	3	0.48
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	11	0.48
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD1	16	0.47
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD2	16	0.47
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD1	16	0.47
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD2	16	0.47
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	6	0.47
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	6	0.47
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	15	0.47
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	15	0.47
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	18	0.47
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	18	0.47
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG11	9	0.47
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG12	9	0.47
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG13	9	0.47
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG21	9	0.47
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG22	9	0.47
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG23	9	0.47
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	5	0.47
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	5	0.47
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	15	0.47
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	15	0.47
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	17	0.47
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	17	0.47
(1,1665)	1:147:A:LEU:HD11	1:148:A:ARG:H	5	0.47
(1,1665)	1:147:A:LEU:HD12	1:148:A:ARG:H	5	0.47
(1,1665)	1:147:A:LEU:HD13	1:148:A:ARG:H	5	0.47
(1,1665)	1:147:A:LEU:HD21	1:148:A:ARG:H	5	0.47
(1,1665)	1:147:A:LEU:HD22	1:148:A:ARG:H	5	0.47
(1,1665)	1:147:A:LEU:HD23	1:148:A:ARG:H	5	0.47
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	1	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	1	0.47
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	1	0.47
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	1	0.47
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	1	0.47
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	1	0.47
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	1	0.47
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	1	0.47
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	1	0.47
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	1	0.47
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	1	0.47
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	1	0.47
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	1	0.47
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	1	0.47
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	1	0.47
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	1	0.47
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	1	0.47
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	1	0.47
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	2	0.47
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	2	0.47
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	2	0.47
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	2	0.47
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	2	0.47
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	2	0.47
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	2	0.47
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	2	0.47
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	2	0.47
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	2	0.47
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	2	0.47
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	2	0.47
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	2	0.47
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	2	0.47
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	2	0.47
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	2	0.47
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	2	0.47
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	2	0.47
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB2	2	0.47
(1,1623)	1:129:A:ILE:HD11	1:195:A:SER:HB3	2	0.47
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB2	2	0.47
(1,1623)	1:129:A:ILE:HD12	1:195:A:SER:HB3	2	0.47
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB2	2	0.47
(1,1623)	1:129:A:ILE:HD13	1:195:A:SER:HB3	2	0.47
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG11	19	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG12	19	0.47
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG13	19	0.47
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG21	19	0.47
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG22	19	0.47
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG23	19	0.47
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	1	0.47
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	1	0.47
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	16	0.47
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	16	0.47
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	16	0.47
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	16	0.47
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	16	0.47
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	16	0.47
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	1	0.47
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	1	0.47
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	20	0.47
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	20	0.47
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	2	0.47
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	2	0.47
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	17	0.47
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	17	0.47
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	10	0.47
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	10	0.47
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	18	0.47
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	18	0.47
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG2	1	0.47
(1,1386)	1:93:A:MET:HB3	1:97:A:GLU:HG3	1	0.47
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	16	0.47
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	16	0.47
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	18	0.47
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	18	0.47
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	18	0.47
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	11	0.47
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	4	0.47
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	19	0.47
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	9	0.47
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	9	0.47
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	1	0.47
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	2	0.47
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	1	0.47
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	1	0.47
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	7	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	7	0.47
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD21	12	0.47
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD22	12	0.47
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD23	12	0.47
(1,1177)	1:135:A:SER:H	1:145:A:ILE:HB	16	0.47
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	19	0.47
(1,1103)	1:108:A:LYS:H	1:118:A:ARG:HA	20	0.47
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	3	0.47
(1,1093)	1:100:A:ARG:H	1:101:A:ASP:H	19	0.47
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	1	0.47
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	19	0.47
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	19	0.47
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	19	0.47
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	1	0.47
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	8	0.47
(1,986)	1:194:A:VAL:HB	1:195:A:SER:H	1	0.47
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	10	0.47
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	2	0.47
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	6	0.47
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	10	0.47
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	15	0.47
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	15	0.47
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	15	0.47
(1,864)	1:160:A:ILE:HG21	1:177:A:ALA:H	8	0.47
(1,864)	1:160:A:ILE:HG22	1:177:A:ALA:H	8	0.47
(1,864)	1:160:A:ILE:HG23	1:177:A:ALA:H	8	0.47
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	1	0.47
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	4	0.47
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	16	0.47
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	9	0.47
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	9	0.47
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	15	0.47
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	15	0.47
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	3	0.47
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	17	0.47
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	17	0.47
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	17	0.47
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	9	0.47
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	15	0.47
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	2	0.47
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	2	0.47
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	2	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	13	0.47
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	13	0.47
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	2	0.47
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	18	0.47
(1,612)	1:124:A:MET:H	1:124:A:MET:HB2	19	0.47
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	9	0.47
(1,572)	1:102:A:TRP:HZ2	1:120:A:ASP:H	20	0.47
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	1	0.47
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	11	0.47
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	14	0.47
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD11	14	0.47
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD12	14	0.47
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD13	14	0.47
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD11	16	0.47
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD12	16	0.47
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD13	16	0.47
(1,411)	1:202:A:ALA:HB1	1:203:A:TRP:HE3	15	0.47
(1,411)	1:202:A:ALA:HB2	1:203:A:TRP:HE3	15	0.47
(1,411)	1:202:A:ALA:HB3	1:203:A:TRP:HE3	15	0.47
(1,408)	1:199:A:GLN:HA	1:203:A:TRP:HD1	6	0.47
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	4	0.47
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	17	0.47
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	17	0.47
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	19	0.47
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	19	0.47
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	4	0.47
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	4	0.47
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	4	0.47
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB1	19	0.47
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB2	19	0.47
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB3	19	0.47
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	19	0.47
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	19	0.47
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	19	0.47
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	8	0.47
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	8	0.47
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	8	0.47
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	20	0.47
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	20	0.47
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	20	0.47
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	12	0.47
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	17	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	3	0.47
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	3	0.47
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	3	0.47
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	7	0.47
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	7	0.47
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	7	0.47
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	16	0.47
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	16	0.47
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	16	0.47
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	19	0.47
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	19	0.47
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	19	0.47
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	19	0.47
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	19	0.47
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	19	0.47
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	15	0.47
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	15	0.47
(1,159)	1:91:A:THR:HB	1:133:A:ASN:HB2	17	0.47
(1,139)	1:129:A:ILE:HA	1:193:A:ARG:HD3	14	0.47
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	14	0.47
(1,111)	1:123:A:ILE:HB	1:188:A:ASN:HB3	18	0.47
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	6	0.47
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	6	0.47
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	6	0.47
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	10	0.47
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	3	0.47
(1,2)	1:136:A:VAL:HA	1:142:A:GLU:H	9	0.47
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	12	0.46
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	12	0.46
(1,1782)	1:194:A:VAL:HG11	1:203:A:TRP:HB2	15	0.46
(1,1782)	1:194:A:VAL:HG12	1:203:A:TRP:HB2	15	0.46
(1,1782)	1:194:A:VAL:HG13	1:203:A:TRP:HB2	15	0.46
(1,1782)	1:194:A:VAL:HG21	1:203:A:TRP:HB2	15	0.46
(1,1782)	1:194:A:VAL:HG22	1:203:A:TRP:HB2	15	0.46
(1,1782)	1:194:A:VAL:HG23	1:203:A:TRP:HB2	15	0.46
(1,1763)	1:185:A:LEU:HD11	1:190:A:ASN:HD21	12	0.46
(1,1763)	1:185:A:LEU:HD12	1:190:A:ASN:HD21	12	0.46
(1,1763)	1:185:A:LEU:HD13	1:190:A:ASN:HD21	12	0.46
(1,1763)	1:185:A:LEU:HD21	1:190:A:ASN:HD21	12	0.46
(1,1763)	1:185:A:LEU:HD22	1:190:A:ASN:HD21	12	0.46
(1,1763)	1:185:A:LEU:HD23	1:190:A:ASN:HD21	12	0.46
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG11	17	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG12	17	0.46
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG13	17	0.46
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG21	17	0.46
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG22	17	0.46
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG23	17	0.46
(1,1707)	1:171:A:ASP:HB2	1:174:A:VAL:HG11	2	0.46
(1,1707)	1:171:A:ASP:HB2	1:174:A:VAL:HG12	2	0.46
(1,1707)	1:171:A:ASP:HB2	1:174:A:VAL:HG13	2	0.46
(1,1707)	1:171:A:ASP:HB2	1:174:A:VAL:HG21	2	0.46
(1,1707)	1:171:A:ASP:HB2	1:174:A:VAL:HG22	2	0.46
(1,1707)	1:171:A:ASP:HB2	1:174:A:VAL:HG23	2	0.46
(1,1707)	1:171:A:ASP:HB3	1:174:A:VAL:HG11	2	0.46
(1,1707)	1:171:A:ASP:HB3	1:174:A:VAL:HG12	2	0.46
(1,1707)	1:171:A:ASP:HB3	1:174:A:VAL:HG13	2	0.46
(1,1707)	1:171:A:ASP:HB3	1:174:A:VAL:HG21	2	0.46
(1,1707)	1:171:A:ASP:HB3	1:174:A:VAL:HG22	2	0.46
(1,1707)	1:171:A:ASP:HB3	1:174:A:VAL:HG23	2	0.46
(1,1691)	1:162:A:PRO:HB2	1:169:A:HIS:HE1	14	0.46
(1,1691)	1:162:A:PRO:HB3	1:169:A:HIS:HE1	14	0.46
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	3	0.46
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	3	0.46
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	3	0.46
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	3	0.46
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	3	0.46
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	3	0.46
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	2	0.46
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	2	0.46
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	7	0.46
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	7	0.46
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	4	0.46
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	4	0.46
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	4	0.46
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	4	0.46
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	7	0.46
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	7	0.46
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	7	0.46
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	7	0.46
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	9	0.46
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	9	0.46
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	9	0.46
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	9	0.46
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG11	17	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG12	17	0.46
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG13	17	0.46
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG21	17	0.46
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG22	17	0.46
(1,1611)	1:128:A:ILE:HB	1:192:A:VAL:HG23	17	0.46
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	5	0.46
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	5	0.46
(1,1550)	1:117:A:ILE:H	1:118:A:ARG:HG2	12	0.46
(1,1550)	1:117:A:ILE:H	1:118:A:ARG:HG3	12	0.46
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	8	0.46
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	8	0.46
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD2	16	0.46
(1,1484)	1:108:A:LYS:HA	1:108:A:LYS:HD3	16	0.46
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	15	0.46
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	15	0.46
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	6	0.46
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	6	0.46
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	13	0.46
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	13	0.46
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	13	0.46
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	13	0.46
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	6	0.46
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	6	0.46
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	16	0.46
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	16	0.46
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	19	0.46
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	19	0.46
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD11	8	0.46
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD12	8	0.46
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD13	8	0.46
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD11	8	0.46
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD12	8	0.46
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD13	8	0.46
(1,1423)	1:98:A:MET:HB2	1:99:A:SER:H	8	0.46
(1,1423)	1:98:A:MET:HB3	1:99:A:SER:H	8	0.46
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	12	0.46
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	12	0.46
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	20	0.46
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	20	0.46
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	20	0.46
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	20	0.46
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	20	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	20	0.46
(1,1401)	1:95:A:LEU:HD11	1:96:A:GLU:HA	19	0.46
(1,1401)	1:95:A:LEU:HD12	1:96:A:GLU:HA	19	0.46
(1,1401)	1:95:A:LEU:HD13	1:96:A:GLU:HA	19	0.46
(1,1401)	1:95:A:LEU:HD21	1:96:A:GLU:HA	19	0.46
(1,1401)	1:95:A:LEU:HD22	1:96:A:GLU:HA	19	0.46
(1,1401)	1:95:A:LEU:HD23	1:96:A:GLU:HA	19	0.46
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	4	0.46
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	4	0.46
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	19	0.46
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	19	0.46
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	16	0.46
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	16	0.46
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	4	0.46
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	4	0.46
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD1	7	0.46
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD2	7	0.46
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD1	7	0.46
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD2	7	0.46
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD1	7	0.46
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD2	7	0.46
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	3	0.46
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	10	0.46
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	16	0.46
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	12	0.46
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	11	0.46
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	17	0.46
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	8	0.46
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	12	0.46
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	10	0.46
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	1	0.46
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	1	0.46
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	4	0.46
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	4	0.46
(1,1184)	1:137:A:ILE:HA	1:138:A:PHE:H	18	0.46
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	1	0.46
(1,1103)	1:108:A:LYS:H	1:118:A:ARG:HA	13	0.46
(1,1070)	1:92:A:ASP:H	1:93:A:MET:HB2	19	0.46
(1,1051)	1:138:A:PHE:HA	1:140:A:ARG:H	17	0.46
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	1	0.46
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	16	0.46
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	16	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	16	0.46
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	7	0.46
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	19	0.46
(1,969)	1:191:A:THR:HG21	1:192:A:VAL:H	7	0.46
(1,969)	1:191:A:THR:HG22	1:192:A:VAL:H	7	0.46
(1,969)	1:191:A:THR:HG23	1:192:A:VAL:H	7	0.46
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	13	0.46
(1,920)	1:185:A:LEU:H	1:186:A:GLU:HA	20	0.46
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	5	0.46
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	5	0.46
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	3	0.46
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	3	0.46
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	3	0.46
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	5	0.46
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	5	0.46
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	5	0.46
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	15	0.46
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG11	10	0.46
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG12	10	0.46
(1,884)	1:180:A:VAL:H	1:180:A:VAL:HG13	10	0.46
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	1	0.46
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG21	10	0.46
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG22	10	0.46
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG23	10	0.46
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	15	0.46
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	2	0.46
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	14	0.46
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	15	0.46
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	5	0.46
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	8	0.46
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	12	0.46
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	20	0.46
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	8	0.46
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	1	0.46
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	1	0.46
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	1	0.46
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	5	0.46
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	5	0.46
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	5	0.46
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	12	0.46
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	1	0.46
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	9	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	16	0.46
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	16	0.46
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	14	0.46
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	3	0.46
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	3	0.46
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	3	0.46
(1,590)	1:121:A:GLN:H	1:121:A:GLN:HG3	7	0.46
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	4	0.46
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	12	0.46
(1,507)	1:102:A:TRP:H	1:103:A:PHE:HA	3	0.46
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	7	0.46
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	16	0.46
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	4	0.46
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	5	0.46
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	20	0.46
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	1	0.46
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	16	0.46
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	16	0.46
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	16	0.46
(1,416)	1:182:A:ILE:HG21	1:203:A:TRP:HZ2	12	0.46
(1,416)	1:182:A:ILE:HG22	1:203:A:TRP:HZ2	12	0.46
(1,416)	1:182:A:ILE:HG23	1:203:A:TRP:HZ2	12	0.46
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	6	0.46
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	4	0.46
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	4	0.46
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	4	0.46
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	6	0.46
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	9	0.46
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	9	0.46
(1,336)	1:182:A:ILE:HA	1:185:A:LEU:HG	15	0.46
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	1	0.46
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	1	0.46
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	1	0.46
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	6	0.46
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	6	0.46
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	6	0.46
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG11	8	0.46
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG12	8	0.46
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG13	8	0.46
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG21	3	0.46
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG22	3	0.46
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG23	3	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	11	0.46
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	11	0.46
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	11	0.46
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	15	0.46
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	15	0.46
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	15	0.46
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	4	0.46
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	4	0.46
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	4	0.46
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	14	0.46
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	14	0.46
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	14	0.46
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	11	0.46
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	11	0.46
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	11	0.46
(1,184)	1:136:A:VAL:HB	1:137:A:ILE:HA	13	0.46
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG21	11	0.46
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG22	11	0.46
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG23	11	0.46
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG21	11	0.46
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG22	11	0.46
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG23	11	0.46
(1,150)	1:131:A:LYS:HA	1:147:A:LEU:HG	10	0.46
(1,142)	1:129:A:ILE:HD11	1:193:A:ARG:HD2	4	0.46
(1,142)	1:129:A:ILE:HD12	1:193:A:ARG:HD2	4	0.46
(1,142)	1:129:A:ILE:HD13	1:193:A:ARG:HD2	4	0.46
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	2	0.46
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	15	0.46
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	15	0.46
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	15	0.46
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	12	0.46
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	12	0.46
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	12	0.46
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	15	0.46
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	11	0.46
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	11	0.46
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	11	0.46
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD1	8	0.45
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD2	8	0.45
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD1	8	0.45
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD2	8	0.45
(1,1781)	1:194:A:VAL:HG11	1:203:A:TRP:H	15	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1781)	1:194:A:VAL:HG12	1:203:A:TRP:H	15	0.45
(1,1781)	1:194:A:VAL:HG13	1:203:A:TRP:H	15	0.45
(1,1781)	1:194:A:VAL:HG21	1:203:A:TRP:H	15	0.45
(1,1781)	1:194:A:VAL:HG22	1:203:A:TRP:H	15	0.45
(1,1781)	1:194:A:VAL:HG23	1:203:A:TRP:H	15	0.45
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	18	0.45
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	18	0.45
(1,1726)	1:176:A:ASN:HB2	1:180:A:VAL:H	13	0.45
(1,1726)	1:176:A:ASN:HB3	1:180:A:VAL:H	13	0.45
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	7	0.45
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	7	0.45
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	7	0.45
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	7	0.45
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	7	0.45
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	7	0.45
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	20	0.45
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	20	0.45
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	5	0.45
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	5	0.45
(1,1653)	1:136:A:VAL:HG11	1:140:A:ARG:H	11	0.45
(1,1653)	1:136:A:VAL:HG12	1:140:A:ARG:H	11	0.45
(1,1653)	1:136:A:VAL:HG13	1:140:A:ARG:H	11	0.45
(1,1653)	1:136:A:VAL:HG21	1:140:A:ARG:H	11	0.45
(1,1653)	1:136:A:VAL:HG22	1:140:A:ARG:H	11	0.45
(1,1653)	1:136:A:VAL:HG23	1:140:A:ARG:H	11	0.45
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	4	0.45
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	4	0.45
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	4	0.45
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	4	0.45
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	4	0.45
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	4	0.45
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	13	0.45
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	13	0.45
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	13	0.45
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	13	0.45
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	13	0.45
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	13	0.45
(1,1601)	1:126:A:LYS:HB2	1:127:A:ASN:HB3	3	0.45
(1,1601)	1:126:A:LYS:HB3	1:127:A:ASN:HB3	3	0.45
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	13	0.45
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	13	0.45
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	15	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	15	0.45
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	5	0.45
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	5	0.45
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	7	0.45
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	7	0.45
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	14	0.45
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	14	0.45
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	16	0.45
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	16	0.45
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	17	0.45
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	17	0.45
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	20	0.45
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	20	0.45
(1,1471)	1:105:A:LEU:HD11	1:122:A:ALA:H	7	0.45
(1,1471)	1:105:A:LEU:HD12	1:122:A:ALA:H	7	0.45
(1,1471)	1:105:A:LEU:HD13	1:122:A:ALA:H	7	0.45
(1,1471)	1:105:A:LEU:HD21	1:122:A:ALA:H	7	0.45
(1,1471)	1:105:A:LEU:HD22	1:122:A:ALA:H	7	0.45
(1,1471)	1:105:A:LEU:HD23	1:122:A:ALA:H	7	0.45
(1,1471)	1:105:A:LEU:HD11	1:122:A:ALA:H	16	0.45
(1,1471)	1:105:A:LEU:HD12	1:122:A:ALA:H	16	0.45
(1,1471)	1:105:A:LEU:HD13	1:122:A:ALA:H	16	0.45
(1,1471)	1:105:A:LEU:HD21	1:122:A:ALA:H	16	0.45
(1,1471)	1:105:A:LEU:HD22	1:122:A:ALA:H	16	0.45
(1,1471)	1:105:A:LEU:HD23	1:122:A:ALA:H	16	0.45
(1,1434)	1:100:A:ARG:HB2	1:101:A:ASP:H	1	0.45
(1,1434)	1:100:A:ARG:HB3	1:101:A:ASP:H	1	0.45
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	11	0.45
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	11	0.45
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	14	0.45
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	14	0.45
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	15	0.45
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	15	0.45
(1,1423)	1:98:A:MET:HB2	1:99:A:SER:H	2	0.45
(1,1423)	1:98:A:MET:HB3	1:99:A:SER:H	2	0.45
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	6	0.45
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	6	0.45
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	12	0.45
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	12	0.45
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	12	0.45
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	12	0.45
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	2	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	2	0.45
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	8	0.45
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	8	0.45
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	16	0.45
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	16	0.45
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	5	0.45
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	5	0.45
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	5	0.45
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	5	0.45
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	5	0.45
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	5	0.45
(1,1361)	1:88:A:ARG:HD2	1:89:A:TYR:H	7	0.45
(1,1361)	1:88:A:ARG:HD3	1:89:A:TYR:H	7	0.45
(1,1355)	1:88:A:ARG:HB2	1:89:A:TYR:HA	16	0.45
(1,1355)	1:88:A:ARG:HB3	1:89:A:TYR:HA	16	0.45
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	8	0.45
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	8	0.45
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	8	0.45
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	9	0.45
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	9	0.45
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	9	0.45
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	1	0.45
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	6	0.45
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	10	0.45
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	13	0.45
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	14	0.45
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	8	0.45
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	8	0.45
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	16	0.45
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	16	0.45
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	19	0.45
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	2	0.45
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	2	0.45
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG21	14	0.45
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG22	14	0.45
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG23	14	0.45
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB2	7	0.45
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB3	7	0.45
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB2	19	0.45
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB3	19	0.45
(1,1243)	1:116:A:CYS:HB2	1:161:A:SER:H	7	0.45
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	20	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	20	0.45
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	18	0.45
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	13	0.45
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	11	0.45
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	13	0.45
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	13	0.45
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	13	0.45
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	2	0.45
(1,1063)	1:89:A:TYR:HD1	1:90:A:LEU:H	4	0.45
(1,1063)	1:89:A:TYR:HD2	1:90:A:LEU:H	4	0.45
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	3	0.45
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	4	0.45
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	16	0.45
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	14	0.45
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	8	0.45
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	10	0.45
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	9	0.45
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	8	0.45
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	8	0.45
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	8	0.45
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	20	0.45
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	20	0.45
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	20	0.45
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	3	0.45
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	12	0.45
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	12	0.45
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	12	0.45
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	20	0.45
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	20	0.45
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	20	0.45
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	3	0.45
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	1	0.45
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	12	0.45
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	10	0.45
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	14	0.45
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	16	0.45
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	11	0.45
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	7	0.45
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	7	0.45
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	7	0.45
(1,741)	1:129:A:ILE:HG21	1:150:A:PHE:H	9	0.45
(1,741)	1:129:A:ILE:HG22	1:150:A:PHE:H	9	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:129:A:ILE:HG23	1:150:A:PHE:H	9	0.45
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	13	0.45
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	15	0.45
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	9	0.45
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	9	0.45
(1,694)	1:136:A:VAL:H	1:136:A:VAL:HG21	5	0.45
(1,694)	1:136:A:VAL:H	1:136:A:VAL:HG22	5	0.45
(1,694)	1:136:A:VAL:H	1:136:A:VAL:HG23	5	0.45
(1,676)	1:91:A:THR:HG21	1:134:A:PHE:H	17	0.45
(1,676)	1:91:A:THR:HG22	1:134:A:PHE:H	17	0.45
(1,676)	1:91:A:THR:HG23	1:134:A:PHE:H	17	0.45
(1,646)	1:127:A:ASN:HB2	1:128:A:ILE:H	15	0.45
(1,633)	1:127:A:ASN:H	1:127:A:ASN:HD21	11	0.45
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	10	0.45
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	6	0.45
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	6	0.45
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	6	0.45
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	5	0.45
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	16	0.45
(1,612)	1:124:A:MET:H	1:124:A:MET:HB2	20	0.45
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	16	0.45
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	10	0.45
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	2	0.45
(1,553)	1:115:A:LEU:H	1:115:A:LEU:HG	20	0.45
(1,481)	1:96:A:GLU:H	1:97:A:GLU:HA	9	0.45
(1,477)	1:94:A:THR:H	1:96:A:GLU:H	14	0.45
(1,465)	1:92:A:ASP:H	1:93:A:MET:HB3	13	0.45
(1,465)	1:92:A:ASP:H	1:93:A:MET:HB3	14	0.45
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	7	0.45
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	7	0.45
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	7	0.45
(1,429)	1:137:A:ILE:H	1:142:A:GLU:HB2	11	0.45
(1,429)	1:137:A:ILE:H	1:142:A:GLU:HB3	11	0.45
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	12	0.45
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	12	0.45
(1,411)	1:202:A:ALA:HB1	1:203:A:TRP:HE3	20	0.45
(1,411)	1:202:A:ALA:HB2	1:203:A:TRP:HE3	20	0.45
(1,411)	1:202:A:ALA:HB3	1:203:A:TRP:HE3	20	0.45
(1,402)	1:194:A:VAL:HB	1:203:A:TRP:HB2	2	0.45
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	19	0.45
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	6	0.45
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	13	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	13	0.45
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG11	17	0.45
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG12	17	0.45
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG13	17	0.45
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG2	20	0.45
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG3	20	0.45
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	9	0.45
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	9	0.45
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	9	0.45
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	18	0.45
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	18	0.45
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	18	0.45
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	15	0.45
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	15	0.45
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	15	0.45
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	19	0.45
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	19	0.45
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	20	0.45
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	20	0.45
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	20	0.45
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	1	0.45
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	1	0.45
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	1	0.45
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	9	0.45
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	9	0.45
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	9	0.45
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	6	0.45
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	14	0.45
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	3	0.45
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	3	0.45
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	3	0.45
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	3	0.45
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	4	0.45
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	4	0.45
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	4	0.45
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	4	0.45
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	9	0.44
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	9	0.44
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	9	0.44
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	9	0.44
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	9	0.44
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	9	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	20	0.44
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	20	0.44
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	20	0.44
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	20	0.44
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	20	0.44
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	20	0.44
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA2	18	0.44
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA3	18	0.44
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA2	18	0.44
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA3	18	0.44
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA2	18	0.44
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA3	18	0.44
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	9	0.44
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	9	0.44
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	9	0.44
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	9	0.44
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	9	0.44
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	9	0.44
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	15	0.44
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	15	0.44
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	15	0.44
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	15	0.44
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	15	0.44
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	15	0.44
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	3	0.44
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	3	0.44
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	16	0.44
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	16	0.44
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	17	0.44
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	17	0.44
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	17	0.44
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	17	0.44
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	17	0.44
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	17	0.44
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG11	16	0.44
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG12	16	0.44
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG13	16	0.44
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG21	16	0.44
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG22	16	0.44
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG23	16	0.44
(1,1637)	1:130:A:LEU:HD11	1:195:A:SER:H	3	0.44
(1,1637)	1:130:A:LEU:HD12	1:195:A:SER:H	3	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1637)	1:130:A:LEU:HD13	1:195:A:SER:H	3	0.44
(1,1637)	1:130:A:LEU:HD21	1:195:A:SER:H	3	0.44
(1,1637)	1:130:A:LEU:HD22	1:195:A:SER:H	3	0.44
(1,1637)	1:130:A:LEU:HD23	1:195:A:SER:H	3	0.44
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	19	0.44
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	19	0.44
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	19	0.44
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	19	0.44
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	19	0.44
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	19	0.44
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG12	8	0.44
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG13	8	0.44
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	4	0.44
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	4	0.44
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	4	0.44
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	4	0.44
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	4	0.44
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	4	0.44
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	14	0.44
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	14	0.44
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	2	0.44
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	2	0.44
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	4	0.44
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	4	0.44
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	8	0.44
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	8	0.44
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	10	0.44
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	10	0.44
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	2	0.44
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	2	0.44
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	8	0.44
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	8	0.44
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	11	0.44
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	11	0.44
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	1	0.44
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	1	0.44
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	9	0.44
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	9	0.44
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD11	14	0.44
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD12	14	0.44
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD13	14	0.44
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD11	14	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD12	14	0.44
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD13	14	0.44
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD2	20	0.44
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD3	20	0.44
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	10	0.44
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	10	0.44
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	4	0.44
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	4	0.44
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	4	0.44
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	4	0.44
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	4	0.44
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	4	0.44
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	4	0.44
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	4	0.44
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	4	0.44
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	4	0.44
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	4	0.44
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	4	0.44
(1,1404)	1:95:A:LEU:HD11	1:98:A:MET:H	19	0.44
(1,1404)	1:95:A:LEU:HD12	1:98:A:MET:H	19	0.44
(1,1404)	1:95:A:LEU:HD13	1:98:A:MET:H	19	0.44
(1,1404)	1:95:A:LEU:HD21	1:98:A:MET:H	19	0.44
(1,1404)	1:95:A:LEU:HD22	1:98:A:MET:H	19	0.44
(1,1404)	1:95:A:LEU:HD23	1:98:A:MET:H	19	0.44
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	11	0.44
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	11	0.44
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	11	0.44
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	11	0.44
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	11	0.44
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	11	0.44
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	11	0.44
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	11	0.44
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD11	4	0.44
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD12	4	0.44
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD13	4	0.44
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD21	4	0.44
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD22	4	0.44
(1,1362)	1:88:A:ARG:HD2	1:90:A:LEU:HD23	4	0.44
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD11	4	0.44
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD12	4	0.44
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD13	4	0.44
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD21	4	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD22	4	0.44
(1,1362)	1:88:A:ARG:HD3	1:90:A:LEU:HD23	4	0.44
(1,1361)	1:88:A:ARG:HD2	1:89:A:TYR:H	11	0.44
(1,1361)	1:88:A:ARG:HD3	1:89:A:TYR:H	11	0.44
(1,1340)	1:134:A:PHE:HE1	1:201:A:PHE:HD1	9	0.44
(1,1340)	1:134:A:PHE:HE1	1:201:A:PHE:HD2	9	0.44
(1,1340)	1:134:A:PHE:HE2	1:201:A:PHE:HD1	9	0.44
(1,1340)	1:134:A:PHE:HE2	1:201:A:PHE:HD2	9	0.44
(1,1331)	1:178:A:VAL:HB	1:203:A:TRP:HE3	20	0.44
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	5	0.44
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	7	0.44
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	3	0.44
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	20	0.44
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	17	0.44
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	17	0.44
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	3	0.44
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	8	0.44
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	12	0.44
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	18	0.44
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	18	0.44
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	18	0.44
(1,1216)	1:152:A:GLU:H	1:152:A:GLU:HB3	7	0.44
(1,1216)	1:152:A:GLU:H	1:152:A:GLU:HB3	9	0.44
(1,1216)	1:152:A:GLU:H	1:152:A:GLU:HB3	11	0.44
(1,1216)	1:152:A:GLU:H	1:152:A:GLU:HB3	16	0.44
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	10	0.44
(1,1137)	1:119:A:MET:HA	1:121:A:GLN:H	13	0.44
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	2	0.44
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	2	0.44
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	2	0.44
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	7	0.44
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	5	0.44
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	11	0.44
(1,1039)	1:190:A:ASN:HB2	1:192:A:VAL:HA	6	0.44
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	6	0.44
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	6	0.44
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	6	0.44
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	2	0.44
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	2	0.44
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	2	0.44
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	17	0.44
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	20	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	11	0.44
(1,986)	1:194:A:VAL:HB	1:195:A:SER:H	2	0.44
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	6	0.44
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	14	0.44
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	6	0.44
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	19	0.44
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	20	0.44
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	3	0.44
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	3	0.44
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	11	0.44
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	11	0.44
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	11	0.44
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	16	0.44
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	16	0.44
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	16	0.44
(1,859)	1:175:A:LYS:HB2	1:176:A:ASN:H	20	0.44
(1,859)	1:175:A:LYS:HB3	1:176:A:ASN:H	20	0.44
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	2	0.44
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	17	0.44
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	13	0.44
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	19	0.44
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	1	0.44
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	6	0.44
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	11	0.44
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	14	0.44
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	13	0.44
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	19	0.44
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	19	0.44
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	14	0.44
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	3	0.44
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	12	0.44
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	20	0.44
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	1	0.44
(1,612)	1:124:A:MET:H	1:124:A:MET:HB2	1	0.44
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	1	0.44
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	2	0.44
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	5	0.44
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	12	0.44
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	2	0.44
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	1	0.44
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	4	0.44
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	12	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	12	0.44
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	12	0.44
(1,435)	1:133:A:ASN:HB3	1:146:A:LEU:H	18	0.44
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	10	0.44
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	10	0.44
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	10	0.44
(1,394)	1:194:A:VAL:HB	1:199:A:GLN:HA	3	0.44
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	3	0.44
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	12	0.44
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	12	0.44
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	2	0.44
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	2	0.44
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	2	0.44
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	10	0.44
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	10	0.44
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	10	0.44
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	2	0.44
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	2	0.44
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	2	0.44
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	20	0.44
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	20	0.44
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	20	0.44
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD11	19	0.44
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD12	19	0.44
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD13	19	0.44
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD11	19	0.44
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD12	19	0.44
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD13	19	0.44
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	4	0.44
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	8	0.44
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	8	0.44
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	8	0.44
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	16	0.44
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	16	0.44
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	16	0.44
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	8	0.44
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	20	0.44
(1,80)	1:112:A:ALA:HB1	1:115:A:LEU:HB2	6	0.44
(1,80)	1:112:A:ALA:HB2	1:115:A:LEU:HB2	6	0.44
(1,80)	1:112:A:ALA:HB3	1:115:A:LEU:HB2	6	0.44
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	6	0.44
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG21	4	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG22	4	0.43
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG23	4	0.43
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG21	4	0.43
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG22	4	0.43
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG23	4	0.43
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG11	12	0.43
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG12	12	0.43
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG13	12	0.43
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG21	12	0.43
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG22	12	0.43
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG23	12	0.43
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD21	17	0.43
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD22	17	0.43
(1,1763)	1:185:A:LEU:HD11	1:190:A:ASN:HD21	14	0.43
(1,1763)	1:185:A:LEU:HD12	1:190:A:ASN:HD21	14	0.43
(1,1763)	1:185:A:LEU:HD13	1:190:A:ASN:HD21	14	0.43
(1,1763)	1:185:A:LEU:HD21	1:190:A:ASN:HD21	14	0.43
(1,1763)	1:185:A:LEU:HD22	1:190:A:ASN:HD21	14	0.43
(1,1763)	1:185:A:LEU:HD23	1:190:A:ASN:HD21	14	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG11	10	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG12	10	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG13	10	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG21	10	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG22	10	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG23	10	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG11	14	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG12	14	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG13	14	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG21	14	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG22	14	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG23	14	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG11	18	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG12	18	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG13	18	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG21	18	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG22	18	0.43
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG23	18	0.43
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	16	0.43
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	16	0.43
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	16	0.43
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	16	0.43
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	16	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	16	0.43
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	4	0.43
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	4	0.43
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	4	0.43
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	4	0.43
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	4	0.43
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	4	0.43
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	4	0.43
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	4	0.43
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	4	0.43
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	4	0.43
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	4	0.43
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	4	0.43
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	4	0.43
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	4	0.43
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	4	0.43
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	4	0.43
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	4	0.43
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	4	0.43
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	7	0.43
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	7	0.43
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	7	0.43
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	7	0.43
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	7	0.43
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	7	0.43
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	11	0.43
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	11	0.43
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	11	0.43
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	11	0.43
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	11	0.43
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	11	0.43
(1,1526)	1:111:A:VAL:HG11	1:115:A:LEU:H	12	0.43
(1,1526)	1:111:A:VAL:HG12	1:115:A:LEU:H	12	0.43
(1,1526)	1:111:A:VAL:HG13	1:115:A:LEU:H	12	0.43
(1,1526)	1:111:A:VAL:HG21	1:115:A:LEU:H	12	0.43
(1,1526)	1:111:A:VAL:HG22	1:115:A:LEU:H	12	0.43
(1,1526)	1:111:A:VAL:HG23	1:115:A:LEU:H	12	0.43
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	20	0.43
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	20	0.43
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG11	11	0.43
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG12	11	0.43
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG13	11	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG21	11	0.43
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG22	11	0.43
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG23	11	0.43
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	1	0.43
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	1	0.43
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	1	0.43
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	1	0.43
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	3	0.43
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	3	0.43
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	12	0.43
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	12	0.43
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	19	0.43
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	19	0.43
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	9	0.43
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	9	0.43
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	10	0.43
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	10	0.43
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	18	0.43
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	18	0.43
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	14	0.43
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	14	0.43
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	14	0.43
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	14	0.43
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	18	0.43
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	18	0.43
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	18	0.43
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	18	0.43
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	18	0.43
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	18	0.43
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	12	0.43
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	12	0.43
(1,1389)	1:93:A:MET:HG2	1:95:A:LEU:H	12	0.43
(1,1389)	1:93:A:MET:HG3	1:95:A:LEU:H	12	0.43
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	8	0.43
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	1	0.43
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	8	0.43
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	20	0.43
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	20	0.43
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	1	0.43
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	2	0.43
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	7	0.43
(1,1278)	1:180:A:VAL:HA	1:183:A:GLY:H	15	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	12	0.43
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	13	0.43
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD21	18	0.43
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD22	18	0.43
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD23	18	0.43
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	3	0.43
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	12	0.43
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	1	0.43
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	13	0.43
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	13	0.43
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	1	0.43
(1,1016)	1:203:A:TRP:H	1:203:A:TRP:HB3	15	0.43
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	9	0.43
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	10	0.43
(1,981)	1:193:A:ARG:HG3	1:194:A:VAL:H	8	0.43
(1,965)	1:191:A:THR:H	1:191:A:THR:HB	8	0.43
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	3	0.43
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	4	0.43
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	11	0.43
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	14	0.43
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	17	0.43
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	17	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	9	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	9	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	9	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	10	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	10	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	10	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	14	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	14	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	14	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	18	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	18	0.43
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	18	0.43
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	5	0.43
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	19	0.43
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	19	0.43
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	5	0.43
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	7	0.43
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	17	0.43
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	17	0.43
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	17	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	17	0.43
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	5	0.43
(1,676)	1:91:A:THR:HG21	1:134:A:PHE:H	13	0.43
(1,676)	1:91:A:THR:HG22	1:134:A:PHE:H	13	0.43
(1,676)	1:91:A:THR:HG23	1:134:A:PHE:H	13	0.43
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	9	0.43
(1,625)	1:123:A:ILE:HG21	1:126:A:LYS:H	19	0.43
(1,625)	1:123:A:ILE:HG22	1:126:A:LYS:H	19	0.43
(1,625)	1:123:A:ILE:HG23	1:126:A:LYS:H	19	0.43
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	8	0.43
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	8	0.43
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	8	0.43
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	12	0.43
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	15	0.43
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	15	0.43
(1,492)	1:98:A:MET:HG2	1:99:A:SER:H	18	0.43
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	5	0.43
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	5	0.43
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	5	0.43
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	3	0.43
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	3	0.43
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	17	0.43
(1,376)	1:193:A:ARG:H	1:193:A:ARG:HG3	5	0.43
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	15	0.43
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	15	0.43
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	15	0.43
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	16	0.43
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	16	0.43
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	10	0.43
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	13	0.43
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	13	0.43
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	13	0.43
(1,266)	1:128:A:ILE:HG21	1:157:A:VAL:H	16	0.43
(1,266)	1:128:A:ILE:HG22	1:157:A:VAL:H	16	0.43
(1,266)	1:128:A:ILE:HG23	1:157:A:VAL:H	16	0.43
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	5	0.43
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	5	0.43
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	5	0.43
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	11	0.43
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	11	0.43
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	11	0.43
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	1	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	1	0.43
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	1	0.43
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	5	0.43
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	5	0.43
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	5	0.43
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	12	0.43
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	12	0.43
(1,159)	1:91:A:THR:HB	1:133:A:ASN:HB2	2	0.43
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	16	0.43
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	12	0.43
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE1	5	0.43
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE2	5	0.43
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE3	5	0.43
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD1	15	0.42
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD2	15	0.42
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD1	15	0.42
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD2	15	0.42
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	11	0.42
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	11	0.42
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA2	11	0.42
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA3	11	0.42
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA2	11	0.42
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA3	11	0.42
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA2	11	0.42
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA3	11	0.42
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	12	0.42
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	12	0.42
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	12	0.42
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	12	0.42
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	12	0.42
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	12	0.42
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	13	0.42
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	13	0.42
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	1	0.42
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	1	0.42
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	1	0.42
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	1	0.42
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	1	0.42
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	1	0.42
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	1	0.42
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	1	0.42
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	1	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	1	0.42
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	1	0.42
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	1	0.42
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	6	0.42
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	6	0.42
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	6	0.42
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	6	0.42
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	6	0.42
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	6	0.42
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	18	0.42
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	18	0.42
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	12	0.42
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	12	0.42
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD11	19	0.42
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD12	19	0.42
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD13	19	0.42
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD21	19	0.42
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD22	19	0.42
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD23	19	0.42
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	15	0.42
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	15	0.42
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	9	0.42
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	9	0.42
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	4	0.42
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	4	0.42
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	20	0.42
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	20	0.42
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	6	0.42
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	6	0.42
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	3	0.42
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	3	0.42
(1,1438)	1:100:A:ARG:HG2	1:101:A:ASP:H	7	0.42
(1,1438)	1:100:A:ARG:HG3	1:101:A:ASP:H	7	0.42
(1,1434)	1:100:A:ARG:HB2	1:101:A:ASP:H	13	0.42
(1,1434)	1:100:A:ARG:HB3	1:101:A:ASP:H	13	0.42
(1,1423)	1:98:A:MET:HB2	1:99:A:SER:H	5	0.42
(1,1423)	1:98:A:MET:HB3	1:99:A:SER:H	5	0.42
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	17	0.42
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	17	0.42
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	6	0.42
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	6	0.42
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	6	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	6	0.42
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	6	0.42
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	6	0.42
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB2	10	0.42
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB3	10	0.42
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB2	10	0.42
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB3	10	0.42
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB2	10	0.42
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB3	10	0.42
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	8	0.42
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	8	0.42
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	9	0.42
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	14	0.42
(1,1295)	1:128:A:ILE:HB	1:192:A:VAL:H	16	0.42
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	13	0.42
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	20	0.42
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	20	0.42
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	20	0.42
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	2	0.42
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	2	0.42
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	15	0.42
(1,1197)	1:132:A:ALA:HB1	1:148:A:ARG:H	5	0.42
(1,1197)	1:132:A:ALA:HB2	1:148:A:ARG:H	5	0.42
(1,1197)	1:132:A:ALA:HB3	1:148:A:ARG:H	5	0.42
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	15	0.42
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	7	0.42
(1,1104)	1:108:A:LYS:H	1:121:A:GLN:H	13	0.42
(1,1095)	1:102:A:TRP:H	1:102:A:TRP:HE1	19	0.42
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	8	0.42
(1,1081)	1:175:A:LYS:HA	1:202:A:ALA:H	6	0.42
(1,1071)	1:92:A:ASP:H	1:132:A:ALA:HB1	6	0.42
(1,1071)	1:92:A:ASP:H	1:132:A:ALA:HB2	6	0.42
(1,1071)	1:92:A:ASP:H	1:132:A:ALA:HB3	6	0.42
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	10	0.42
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD11	19	0.42
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD12	19	0.42
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD13	19	0.42
(1,1044)	1:136:A:VAL:HB	1:142:A:GLU:H	17	0.42
(1,1016)	1:203:A:TRP:H	1:203:A:TRP:HB3	9	0.42
(1,1016)	1:203:A:TRP:H	1:203:A:TRP:HB3	11	0.42
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	7	0.42
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	15	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:194:A:VAL:HB	1:195:A:SER:H	10	0.42
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	17	0.42
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	17	0.42
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	17	0.42
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	13	0.42
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	13	0.42
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	18	0.42
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	2	0.42
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	12	0.42
(1,925)	1:185:A:LEU:HB2	1:186:A:GLU:H	4	0.42
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	4	0.42
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	4	0.42
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	4	0.42
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	7	0.42
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	7	0.42
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	7	0.42
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	16	0.42
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	13	0.42
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	8	0.42
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	13	0.42
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	1	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	11	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	11	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	11	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	18	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	18	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	18	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	19	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	19	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	19	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	20	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	20	0.42
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	20	0.42
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	2	0.42
(1,698)	1:137:A:ILE:H	1:137:A:ILE:HB	9	0.42
(1,695)	1:137:A:ILE:H	1:139:A:ASP:HA	12	0.42
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	8	0.42
(1,663)	1:130:A:LEU:H	1:195:A:SER:H	11	0.42
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	12	0.42
(1,652)	1:128:A:ILE:H	1:192:A:VAL:HA	7	0.42
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	9	0.42
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	19	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	19	0.42
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	19	0.42
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	6	0.42
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	8	0.42
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	18	0.42
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	18	0.42
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	18	0.42
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	19	0.42
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	19	0.42
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	19	0.42
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	1	0.42
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	1	0.42
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	1	0.42
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	8	0.42
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	1	0.42
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	4	0.42
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	11	0.42
(1,320)	1:178:A:VAL:HG21	1:203:A:TRP:HB2	19	0.42
(1,320)	1:178:A:VAL:HG22	1:203:A:TRP:HB2	19	0.42
(1,320)	1:178:A:VAL:HG23	1:203:A:TRP:HB2	19	0.42
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG2	6	0.42
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG3	6	0.42
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG2	10	0.42
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG3	10	0.42
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG2	17	0.42
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG3	17	0.42
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG2	19	0.42
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG3	19	0.42
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	20	0.42
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	20	0.42
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	20	0.42
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG21	2	0.42
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG22	2	0.42
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG23	2	0.42
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG21	2	0.42
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG22	2	0.42
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG23	2	0.42
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	3	0.42
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	3	0.42
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	3	0.42
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	3	0.42
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	3	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	3	0.42
(1,159)	1:91:A:THR:HB	1:133:A:ASN:HB2	13	0.42
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	19	0.42
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	3	0.42
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	3	0.42
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	3	0.42
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	9	0.42
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	9	0.42
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	9	0.42
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	9	0.42
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	10	0.42
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG21	17	0.42
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG22	17	0.42
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG23	17	0.42
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG21	17	0.42
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG22	17	0.42
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG23	17	0.42
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	16	0.42
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	1	0.42
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	1	0.42
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	1	0.42
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	4	0.41
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	4	0.41
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	8	0.41
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	8	0.41
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	19	0.41
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	19	0.41
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	19	0.41
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	19	0.41
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	19	0.41
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	19	0.41
(1,1763)	1:185:A:LEU:HD11	1:190:A:ASN:HD21	4	0.41
(1,1763)	1:185:A:LEU:HD12	1:190:A:ASN:HD21	4	0.41
(1,1763)	1:185:A:LEU:HD13	1:190:A:ASN:HD21	4	0.41
(1,1763)	1:185:A:LEU:HD21	1:190:A:ASN:HD21	4	0.41
(1,1763)	1:185:A:LEU:HD22	1:190:A:ASN:HD21	4	0.41
(1,1763)	1:185:A:LEU:HD23	1:190:A:ASN:HD21	4	0.41
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	3	0.41
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	3	0.41
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	3	0.41
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	3	0.41
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	3	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	3	0.41
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG11	20	0.41
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG12	20	0.41
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG13	20	0.41
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG21	20	0.41
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG22	20	0.41
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG23	20	0.41
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	17	0.41
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	17	0.41
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA2	9	0.41
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA3	9	0.41
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA2	9	0.41
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA3	9	0.41
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA2	9	0.41
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA3	9	0.41
(1,1726)	1:176:A:ASN:HB2	1:180:A:VAL:H	7	0.41
(1,1726)	1:176:A:ASN:HB3	1:180:A:VAL:H	7	0.41
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	1	0.41
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	1	0.41
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	12	0.41
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	12	0.41
(1,1669)	1:147:A:LEU:HD11	1:160:A:ILE:H	5	0.41
(1,1669)	1:147:A:LEU:HD12	1:160:A:ILE:H	5	0.41
(1,1669)	1:147:A:LEU:HD13	1:160:A:ILE:H	5	0.41
(1,1669)	1:147:A:LEU:HD21	1:160:A:ILE:H	5	0.41
(1,1669)	1:147:A:LEU:HD22	1:160:A:ILE:H	5	0.41
(1,1669)	1:147:A:LEU:HD23	1:160:A:ILE:H	5	0.41
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	20	0.41
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	20	0.41
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	20	0.41
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	20	0.41
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	20	0.41
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	20	0.41
(1,1581)	1:123:A:ILE:HG21	1:126:A:LYS:HB2	19	0.41
(1,1581)	1:123:A:ILE:HG21	1:126:A:LYS:HB3	19	0.41
(1,1581)	1:123:A:ILE:HG22	1:126:A:LYS:HB2	19	0.41
(1,1581)	1:123:A:ILE:HG22	1:126:A:LYS:HB3	19	0.41
(1,1581)	1:123:A:ILE:HG23	1:126:A:LYS:HB2	19	0.41
(1,1581)	1:123:A:ILE:HG23	1:126:A:LYS:HB3	19	0.41
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	7	0.41
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	7	0.41
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	1	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	1	0.41
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	4	0.41
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	4	0.41
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	5	0.41
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	5	0.41
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG2	19	0.41
(1,1417)	1:97:A:GLU:HB2	1:98:A:MET:HG3	19	0.41
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG2	19	0.41
(1,1417)	1:97:A:GLU:HB3	1:98:A:MET:HG3	19	0.41
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	14	0.41
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	14	0.41
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	14	0.41
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	14	0.41
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	14	0.41
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	14	0.41
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	16	0.41
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	16	0.41
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	16	0.41
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	16	0.41
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	16	0.41
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	16	0.41
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	7	0.41
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	7	0.41
(1,1378)	1:91:A:THR:HG21	1:133:A:ASN:HD21	4	0.41
(1,1378)	1:91:A:THR:HG21	1:133:A:ASN:HD22	4	0.41
(1,1378)	1:91:A:THR:HG22	1:133:A:ASN:HD21	4	0.41
(1,1378)	1:91:A:THR:HG22	1:133:A:ASN:HD22	4	0.41
(1,1378)	1:91:A:THR:HG23	1:133:A:ASN:HD21	4	0.41
(1,1378)	1:91:A:THR:HG23	1:133:A:ASN:HD22	4	0.41
(1,1358)	1:88:A:ARG:HG2	1:89:A:TYR:H	14	0.41
(1,1358)	1:88:A:ARG:HG3	1:89:A:TYR:H	14	0.41
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	16	0.41
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	12	0.41
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	1	0.41
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	1	0.41
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	19	0.41
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	19	0.41
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	15	0.41
(1,1278)	1:180:A:VAL:HA	1:183:A:GLY:H	9	0.41
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	11	0.41
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	18	0.41
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	3	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	3	0.41
(1,1218)	1:152:A:GLU:HG3	1:153:A:GLU:H	16	0.41
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	2	0.41
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	18	0.41
(1,1197)	1:132:A:ALA:HB1	1:148:A:ARG:H	13	0.41
(1,1197)	1:132:A:ALA:HB2	1:148:A:ARG:H	13	0.41
(1,1197)	1:132:A:ALA:HB3	1:148:A:ARG:H	13	0.41
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	14	0.41
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	5	0.41
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	18	0.41
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	16	0.41
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	16	0.41
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	16	0.41
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	20	0.41
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	16	0.41
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	12	0.41
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	14	0.41
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	19	0.41
(1,1046)	1:105:A:LEU:HB2	1:123:A:ILE:H	15	0.41
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	2	0.41
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	2	0.41
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	2	0.41
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	14	0.41
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	14	0.41
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	14	0.41
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	15	0.41
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	15	0.41
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	15	0.41
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	6	0.41
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	6	0.41
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	6	0.41
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	17	0.41
(1,998)	1:194:A:VAL:HG11	1:199:A:GLN:H	15	0.41
(1,998)	1:194:A:VAL:HG12	1:199:A:GLN:H	15	0.41
(1,998)	1:194:A:VAL:HG13	1:199:A:GLN:H	15	0.41
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	5	0.41
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	20	0.41
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	17	0.41
(1,986)	1:194:A:VAL:HB	1:195:A:SER:H	20	0.41
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	1	0.41
(1,974)	1:128:A:ILE:HB	1:193:A:ARG:H	16	0.41
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	9	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	13	0.41
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	14	0.41
(1,937)	1:188:A:ASN:H	1:190:A:ASN:H	16	0.41
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	16	0.41
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	16	0.41
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	2	0.41
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	2	0.41
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	2	0.41
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	17	0.41
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	17	0.41
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	17	0.41
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	19	0.41
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	19	0.41
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	19	0.41
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	4	0.41
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	4	0.41
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	4	0.41
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	1	0.41
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	1	0.41
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	1	0.41
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	14	0.41
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	6	0.41
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	6	0.41
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	6	0.41
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	2	0.41
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	7	0.41
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	11	0.41
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	15	0.41
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	18	0.41
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	14	0.41
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	14	0.41
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	14	0.41
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	19	0.41
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	19	0.41
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	19	0.41
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	17	0.41
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	3	0.41
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	14	0.41
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	12	0.41
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	12	0.41
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	12	0.41
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	13	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	13	0.41
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	13	0.41
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	2	0.41
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	20	0.41
(1,700)	1:87:A:SER:HA	1:138:A:PHE:H	7	0.41
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	5	0.41
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	6	0.41
(1,648)	1:128:A:ILE:H	1:128:A:ILE:HG13	5	0.41
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	20	0.41
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	15	0.41
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	5	0.41
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	5	0.41
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	5	0.41
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	11	0.41
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	9	0.41
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	18	0.41
(1,534)	1:108:A:LYS:H	1:108:A:LYS:HB3	2	0.41
(1,534)	1:108:A:LYS:H	1:108:A:LYS:HB3	4	0.41
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	7	0.41
(1,517)	1:103:A:PHE:HE1	1:104:A:MET:H	3	0.41
(1,517)	1:103:A:PHE:HE2	1:104:A:MET:H	3	0.41
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	20	0.41
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	4	0.41
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	4	0.41
(1,394)	1:194:A:VAL:HB	1:199:A:GLN:HA	2	0.41
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	3	0.41
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	16	0.41
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	6	0.41
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	6	0.41
(1,344)	1:181:A:LEU:HG	1:185:A:LEU:H	1	0.41
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG2	16	0.41
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG3	16	0.41
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG2	16	0.41
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG3	16	0.41
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG2	16	0.41
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG3	16	0.41
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG2	16	0.41
(1,296)	1:172:A:GLU:H	1:172:A:GLU:HG3	16	0.41
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG21	19	0.41
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG22	19	0.41
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG23	19	0.41
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD1	12	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:129:A:ILE:HG21	1:150:A:PHE:HD2	12	0.41
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD1	12	0.41
(1,224)	1:129:A:ILE:HG22	1:150:A:PHE:HD2	12	0.41
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD1	12	0.41
(1,224)	1:129:A:ILE:HG23	1:150:A:PHE:HD2	12	0.41
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	14	0.41
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	14	0.41
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	14	0.41
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	8	0.41
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	8	0.41
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	17	0.41
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	17	0.41
(1,176)	1:136:A:VAL:HG21	1:137:A:ILE:H	19	0.41
(1,176)	1:136:A:VAL:HG22	1:137:A:ILE:H	19	0.41
(1,176)	1:136:A:VAL:HG23	1:137:A:ILE:H	19	0.41
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	5	0.41
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	5	0.41
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	5	0.41
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	5	0.41
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	5	0.41
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	5	0.41
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	19	0.41
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	19	0.41
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	10	0.41
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	14	0.41
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	14	0.41
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	14	0.41
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	9	0.41
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	9	0.41
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	9	0.41
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	19	0.41
(1,29)	1:90:A:LEU:HD21	1:197:A:THR:HB	5	0.41
(1,29)	1:90:A:LEU:HD22	1:197:A:THR:HB	5	0.41
(1,29)	1:90:A:LEU:HD23	1:197:A:THR:HB	5	0.41
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG2	1	0.41
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG3	1	0.41
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG21	3	0.4
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG22	3	0.4
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG23	3	0.4
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG21	3	0.4
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG22	3	0.4
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG23	3	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	19	0.4
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	19	0.4
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	19	0.4
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	19	0.4
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	19	0.4
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	19	0.4
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD21	2	0.4
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD22	2	0.4
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD21	5	0.4
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD22	5	0.4
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	5	0.4
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	5	0.4
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	5	0.4
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	5	0.4
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	5	0.4
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	5	0.4
(1,1726)	1:176:A:ASN:HB2	1:180:A:VAL:H	18	0.4
(1,1726)	1:176:A:ASN:HB3	1:180:A:VAL:H	18	0.4
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	17	0.4
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	17	0.4
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	1	0.4
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	1	0.4
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	6	0.4
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	6	0.4
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	6	0.4
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	6	0.4
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	6	0.4
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	6	0.4
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	18	0.4
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	18	0.4
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	18	0.4
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	18	0.4
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	6	0.4
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	6	0.4
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	10	0.4
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	10	0.4
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	18	0.4
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	18	0.4
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	7	0.4
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	7	0.4
(1,1464)	1:104:A:MET:HG2	1:120:A:ASP:H	20	0.4
(1,1464)	1:104:A:MET:HG3	1:120:A:ASP:H	20	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	9	0.4
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	9	0.4
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB2	2	0.4
(1,1406)	1:95:A:LEU:HD11	1:99:A:SER:HB3	2	0.4
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB2	2	0.4
(1,1406)	1:95:A:LEU:HD12	1:99:A:SER:HB3	2	0.4
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB2	2	0.4
(1,1406)	1:95:A:LEU:HD13	1:99:A:SER:HB3	2	0.4
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB2	2	0.4
(1,1406)	1:95:A:LEU:HD21	1:99:A:SER:HB3	2	0.4
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB2	2	0.4
(1,1406)	1:95:A:LEU:HD22	1:99:A:SER:HB3	2	0.4
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB2	2	0.4
(1,1406)	1:95:A:LEU:HD23	1:99:A:SER:HB3	2	0.4
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	18	0.4
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	18	0.4
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	3	0.4
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	3	0.4
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	11	0.4
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	11	0.4
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG11	11	0.4
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG12	11	0.4
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG13	11	0.4
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG21	11	0.4
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG22	11	0.4
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG23	11	0.4
(1,1355)	1:88:A:ARG:HB2	1:89:A:TYR:HA	5	0.4
(1,1355)	1:88:A:ARG:HB3	1:89:A:TYR:HA	5	0.4
(1,1355)	1:88:A:ARG:HB2	1:89:A:TYR:HA	13	0.4
(1,1355)	1:88:A:ARG:HB3	1:89:A:TYR:HA	13	0.4
(1,1312)	1:196:A:GLU:HB2	1:198:A:LEU:H	3	0.4
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	19	0.4
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	20	0.4
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	6	0.4
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	19	0.4
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	20	0.4
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	4	0.4
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	4	0.4
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	17	0.4
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	17	0.4
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB2	14	0.4
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB3	14	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	5	0.4
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	11	0.4
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	11	0.4
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	4	0.4
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	10	0.4
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	4	0.4
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	8	0.4
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	16	0.4
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG21	2	0.4
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG22	2	0.4
(1,1149)	1:127:A:ASN:HD22	1:191:A:THR:HG23	2	0.4
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	9	0.4
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	16	0.4
(1,1119)	1:115:A:LEU:HG	1:116:A:CYS:H	20	0.4
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	1	0.4
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	1	0.4
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	1	0.4
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	9	0.4
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	9	0.4
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	9	0.4
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	16	0.4
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	19	0.4
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	7	0.4
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	7	0.4
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	7	0.4
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	18	0.4
(1,990)	1:196:A:GLU:HB2	1:197:A:THR:H	20	0.4
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	20	0.4
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	4	0.4
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	8	0.4
(1,925)	1:185:A:LEU:HB2	1:186:A:GLU:H	20	0.4
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	4	0.4
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	4	0.4
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	6	0.4
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	6	0.4
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	13	0.4
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	13	0.4
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	13	0.4
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	14	0.4
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	17	0.4
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	17	0.4
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	17	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	17	0.4
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	17	0.4
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	10	0.4
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	19	0.4
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG21	4	0.4
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG22	4	0.4
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG23	4	0.4
(1,810)	1:159:A:GLU:HB2	1:160:A:ILE:H	13	0.4
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	10	0.4
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	10	0.4
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	10	0.4
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	12	0.4
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	12	0.4
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	6	0.4
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	4	0.4
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	17	0.4
(1,648)	1:128:A:ILE:H	1:128:A:ILE:HG13	3	0.4
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	7	0.4
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	9	0.4
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	9	0.4
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	9	0.4
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	9	0.4
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	6	0.4
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	10	0.4
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	10	0.4
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	10	0.4
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	18	0.4
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	3	0.4
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	4	0.4
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	4	0.4
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	4	0.4
(1,540)	1:109:A:GLN:HG2	1:111:A:VAL:H	13	0.4
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	13	0.4
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	11	0.4
(1,500)	1:101:A:ASP:H	1:156:A:ILE:HD11	6	0.4
(1,500)	1:101:A:ASP:H	1:156:A:ILE:HD12	6	0.4
(1,500)	1:101:A:ASP:H	1:156:A:ILE:HD13	6	0.4
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	7	0.4
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	7	0.4
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	7	0.4
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	17	0.4
(1,423)	1:203:A:TRP:HA	1:203:A:TRP:HD1	19	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	14	0.4
(1,403)	1:194:A:VAL:HG11	1:203:A:TRP:HB2	11	0.4
(1,403)	1:194:A:VAL:HG12	1:203:A:TRP:HB2	11	0.4
(1,403)	1:194:A:VAL:HG13	1:203:A:TRP:HB2	11	0.4
(1,393)	1:199:A:GLN:H	1:200:A:ARG:HA	2	0.4
(1,389)	1:196:A:GLU:HB3	1:197:A:THR:H	17	0.4
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	8	0.4
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	5	0.4
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	5	0.4
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	5	0.4
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	5	0.4
(1,339)	1:182:A:ILE:HD11	1:192:A:VAL:HB	18	0.4
(1,339)	1:182:A:ILE:HD12	1:192:A:VAL:HB	18	0.4
(1,339)	1:182:A:ILE:HD13	1:192:A:VAL:HB	18	0.4
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	13	0.4
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	13	0.4
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	13	0.4
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	13	0.4
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	13	0.4
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	13	0.4
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	13	0.4
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	13	0.4
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	13	0.4
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	20	0.4
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	20	0.4
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	20	0.4
(1,314)	1:177:A:ALA:HB1	1:180:A:VAL:HB	5	0.4
(1,314)	1:177:A:ALA:HB2	1:180:A:VAL:HB	5	0.4
(1,314)	1:177:A:ALA:HB3	1:180:A:VAL:HB	5	0.4
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG11	3	0.4
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG12	3	0.4
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG13	3	0.4
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	3	0.4
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	6	0.4
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	6	0.4
(1,176)	1:136:A:VAL:HG21	1:137:A:ILE:H	4	0.4
(1,176)	1:136:A:VAL:HG22	1:137:A:ILE:H	4	0.4
(1,176)	1:136:A:VAL:HG23	1:137:A:ILE:H	4	0.4
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	16	0.4
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	16	0.4
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	16	0.4
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	16	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	16	0.4
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	16	0.4
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	1	0.4
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	1	0.4
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	9	0.4
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	9	0.4
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	9	0.4
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	11	0.4
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	11	0.4
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	11	0.4
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	19	0.4
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	19	0.4
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	19	0.4
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG21	8	0.4
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG22	8	0.4
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG23	8	0.4
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	13	0.4
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	13	0.4
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	13	0.4
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	17	0.4
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG21	16	0.4
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG22	16	0.4
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG23	16	0.4
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG21	16	0.4
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG22	16	0.4
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG23	16	0.4
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG21	16	0.4
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG22	16	0.4
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG23	16	0.4
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	11	0.4
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	11	0.4
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	11	0.4
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	11	0.4
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	5	0.4
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	5	0.4
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	5	0.4
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD1	11	0.39
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD2	11	0.39
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD1	11	0.39
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD2	11	0.39
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	20	0.39
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	20	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG11	2	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG12	2	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG13	2	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG21	2	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG22	2	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG23	2	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG11	14	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG12	14	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG13	14	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG21	14	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG22	14	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG23	14	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG11	18	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG12	18	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG13	18	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG21	18	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG22	18	0.39
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG23	18	0.39
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	6	0.39
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	6	0.39
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	6	0.39
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	6	0.39
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	6	0.39
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	6	0.39
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	15	0.39
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	15	0.39
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	15	0.39
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	15	0.39
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	15	0.39
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	15	0.39
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG11	17	0.39
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG12	17	0.39
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG13	17	0.39
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG21	17	0.39
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG22	17	0.39
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG23	17	0.39
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	2	0.39
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	2	0.39
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	2	0.39
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	2	0.39
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	2	0.39
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	2	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	13	0.39
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	13	0.39
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	13	0.39
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	13	0.39
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	17	0.39
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	17	0.39
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	14	0.39
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	14	0.39
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	13	0.39
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	13	0.39
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	13	0.39
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	13	0.39
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	13	0.39
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	13	0.39
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	8	0.39
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	8	0.39
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	8	0.39
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	8	0.39
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	3	0.39
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	3	0.39
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	13	0.39
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	13	0.39
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	19	0.39
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	19	0.39
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	20	0.39
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	20	0.39
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	20	0.39
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	20	0.39
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	20	0.39
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	20	0.39
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	20	0.39
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	20	0.39
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	20	0.39
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	20	0.39
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	20	0.39
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	20	0.39
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	20	0.39
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	20	0.39
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	20	0.39
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	20	0.39
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	20	0.39
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	20	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	18	0.39
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	18	0.39
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	5	0.39
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	5	0.39
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	15	0.39
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	15	0.39
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	16	0.39
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	16	0.39
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	5	0.39
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	5	0.39
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD2	6	0.39
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD3	6	0.39
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD2	19	0.39
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD3	19	0.39
(1,1423)	1:98:A:MET:HB2	1:99:A:SER:H	13	0.39
(1,1423)	1:98:A:MET:HB3	1:99:A:SER:H	13	0.39
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	19	0.39
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	19	0.39
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	19	0.39
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	19	0.39
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	19	0.39
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	19	0.39
(1,1361)	1:88:A:ARG:HD2	1:89:A:TYR:H	18	0.39
(1,1361)	1:88:A:ARG:HD3	1:89:A:TYR:H	18	0.39
(1,1358)	1:88:A:ARG:HG2	1:89:A:TYR:H	4	0.39
(1,1358)	1:88:A:ARG:HG3	1:89:A:TYR:H	4	0.39
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	4	0.39
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	6	0.39
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	4	0.39
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	14	0.39
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	16	0.39
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	8	0.39
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	9	0.39
(1,1238)	1:146:A:LEU:HG	1:160:A:ILE:H	4	0.39
(1,1216)	1:152:A:GLU:H	1:152:A:GLU:HB3	6	0.39
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	19	0.39
(1,1148)	1:126:A:LYS:H	1:190:A:ASN:HB3	2	0.39
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	4	0.39
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	17	0.39
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	20	0.39
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	6	0.39
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	7	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	7	0.39
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	7	0.39
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	11	0.39
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	11	0.39
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	11	0.39
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	12	0.39
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	12	0.39
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	12	0.39
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	4	0.39
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	16	0.39
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	17	0.39
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	20	0.39
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	20	0.39
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	20	0.39
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	4	0.39
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	10	0.39
(1,1006)	1:178:A:VAL:HG21	1:202:A:ALA:H	8	0.39
(1,1006)	1:178:A:VAL:HG22	1:202:A:ALA:H	8	0.39
(1,1006)	1:178:A:VAL:HG23	1:202:A:ALA:H	8	0.39
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	3	0.39
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	5	0.39
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	9	0.39
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	9	0.39
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	11	0.39
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	11	0.39
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	18	0.39
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	18	0.39
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG21	12	0.39
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG22	12	0.39
(1,900)	1:182:A:ILE:H	1:182:A:ILE:HG23	12	0.39
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	12	0.39
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	14	0.39
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	14	0.39
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	14	0.39
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	14	0.39
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	6	0.39
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	13	0.39
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	11	0.39
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	11	0.39
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	4	0.39
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	17	0.39
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	19	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	6	0.39
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	6	0.39
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	6	0.39
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	9	0.39
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	12	0.39
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	12	0.39
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	4	0.39
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	10	0.39
(1,677)	1:132:A:ALA:HB1	1:134:A:PHE:H	9	0.39
(1,677)	1:132:A:ALA:HB2	1:134:A:PHE:H	9	0.39
(1,677)	1:132:A:ALA:HB3	1:134:A:PHE:H	9	0.39
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	15	0.39
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	16	0.39
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	12	0.39
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	20	0.39
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	8	0.39
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	19	0.39
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	17	0.39
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	17	0.39
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	17	0.39
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	2	0.39
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	5	0.39
(1,590)	1:121:A:GLN:H	1:121:A:GLN:HG3	19	0.39
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	17	0.39
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	13	0.39
(1,569)	1:119:A:MET:H	1:120:A:ASP:HA	13	0.39
(1,563)	1:108:A:LYS:H	1:119:A:MET:H	13	0.39
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	1	0.39
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	1	0.39
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	1	0.39
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	8	0.39
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	7	0.39
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG21	11	0.39
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG22	11	0.39
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG23	11	0.39
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD11	1	0.39
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD12	1	0.39
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD13	1	0.39
(1,394)	1:194:A:VAL:HB	1:199:A:GLN:HA	18	0.39
(1,363)	1:125:A:ASP:HA	1:190:A:ASN:HB3	1	0.39
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	16	0.39
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	16	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	13	0.39
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	13	0.39
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	13	0.39
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	13	0.39
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	10	0.39
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	10	0.39
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	10	0.39
(1,237)	1:127:A:ASN:HB3	1:152:A:GLU:HG2	11	0.39
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	5	0.39
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	16	0.39
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	16	0.39
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	1	0.39
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	1	0.39
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	1	0.39
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	12	0.39
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	12	0.39
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	12	0.39
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	7	0.39
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	9	0.39
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	17	0.39
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD11	11	0.39
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD12	11	0.39
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD13	11	0.39
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	1	0.39
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	19	0.39
(1,29)	1:90:A:LEU:HD21	1:197:A:THR:HB	3	0.39
(1,29)	1:90:A:LEU:HD22	1:197:A:THR:HB	3	0.39
(1,29)	1:90:A:LEU:HD23	1:197:A:THR:HB	3	0.39
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG2	13	0.39
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG3	13	0.39
(1,1763)	1:185:A:LEU:HD11	1:190:A:ASN:HD21	20	0.38
(1,1763)	1:185:A:LEU:HD12	1:190:A:ASN:HD21	20	0.38
(1,1763)	1:185:A:LEU:HD13	1:190:A:ASN:HD21	20	0.38
(1,1763)	1:185:A:LEU:HD21	1:190:A:ASN:HD21	20	0.38
(1,1763)	1:185:A:LEU:HD22	1:190:A:ASN:HD21	20	0.38
(1,1763)	1:185:A:LEU:HD23	1:190:A:ASN:HD21	20	0.38
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG11	14	0.38
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG12	14	0.38
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG13	14	0.38
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG21	14	0.38
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG22	14	0.38
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG23	14	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG11	20	0.38
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG12	20	0.38
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG13	20	0.38
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG21	20	0.38
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG22	20	0.38
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG23	20	0.38
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA2	7	0.38
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA3	7	0.38
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA2	7	0.38
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA3	7	0.38
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA2	7	0.38
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA3	7	0.38
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA2	12	0.38
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA3	12	0.38
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA2	12	0.38
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA3	12	0.38
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA2	12	0.38
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA3	12	0.38
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA2	13	0.38
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA3	13	0.38
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA2	13	0.38
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA3	13	0.38
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA2	13	0.38
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA3	13	0.38
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG21	20	0.38
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG22	20	0.38
(1,1701)	1:169:A:HIS:HB2	1:170:A:THR:HG23	20	0.38
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG21	20	0.38
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG22	20	0.38
(1,1701)	1:169:A:HIS:HB3	1:170:A:THR:HG23	20	0.38
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG2	11	0.38
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG3	11	0.38
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB2	4	0.38
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB3	4	0.38
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	9	0.38
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	9	0.38
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	9	0.38
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	9	0.38
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	9	0.38
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	9	0.38
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	9	0.38
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	9	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	15	0.38
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	15	0.38
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	18	0.38
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	18	0.38
(1,1526)	1:111:A:VAL:HG11	1:115:A:LEU:H	16	0.38
(1,1526)	1:111:A:VAL:HG12	1:115:A:LEU:H	16	0.38
(1,1526)	1:111:A:VAL:HG13	1:115:A:LEU:H	16	0.38
(1,1526)	1:111:A:VAL:HG21	1:115:A:LEU:H	16	0.38
(1,1526)	1:111:A:VAL:HG22	1:115:A:LEU:H	16	0.38
(1,1526)	1:111:A:VAL:HG23	1:115:A:LEU:H	16	0.38
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	10	0.38
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	10	0.38
(1,1493)	1:108:A:LYS:HG2	1:119:A:MET:H	14	0.38
(1,1493)	1:108:A:LYS:HG3	1:119:A:MET:H	14	0.38
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD11	2	0.38
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD12	2	0.38
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD13	2	0.38
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD11	2	0.38
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD12	2	0.38
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD13	2	0.38
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	5	0.38
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	5	0.38
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	5	0.38
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	5	0.38
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	5	0.38
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	5	0.38
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	10	0.38
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	10	0.38
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	10	0.38
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	10	0.38
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	10	0.38
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	10	0.38
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	6	0.38
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	6	0.38
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	4	0.38
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	4	0.38
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	10	0.38
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	10	0.38
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	5	0.38
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	5	0.38
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	3	0.38
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	2	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	2	0.38
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	10	0.38
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	10	0.38
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	15	0.38
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	15	0.38
(1,1273)	1:178:A:VAL:HG21	1:179:A:GLY:H	20	0.38
(1,1273)	1:178:A:VAL:HG22	1:179:A:GLY:H	20	0.38
(1,1273)	1:178:A:VAL:HG23	1:179:A:GLY:H	20	0.38
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	18	0.38
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	18	0.38
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	18	0.38
(1,1243)	1:116:A:CYS:HB2	1:161:A:SER:H	15	0.38
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	16	0.38
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	16	0.38
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	1	0.38
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	6	0.38
(1,1174)	1:134:A:PHE:HD1	1:135:A:SER:H	14	0.38
(1,1174)	1:134:A:PHE:HD2	1:135:A:SER:H	14	0.38
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	7	0.38
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	6	0.38
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	17	0.38
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	7	0.38
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	12	0.38
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	17	0.38
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	3	0.38
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	3	0.38
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	3	0.38
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	19	0.38
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	3	0.38
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	15	0.38
(1,1063)	1:89:A:TYR:HD1	1:90:A:LEU:H	15	0.38
(1,1063)	1:89:A:TYR:HD2	1:90:A:LEU:H	15	0.38
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG2	5	0.38
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG3	5	0.38
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	6	0.38
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	20	0.38
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	3	0.38
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	3	0.38
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	3	0.38
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	4	0.38
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	4	0.38
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	4	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	1	0.38
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	1	0.38
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	1	0.38
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	4	0.38
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	4	0.38
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	4	0.38
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	11	0.38
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	11	0.38
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	11	0.38
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	12	0.38
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	12	0.38
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	12	0.38
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	14	0.38
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	15	0.38
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	2	0.38
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	10	0.38
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	17	0.38
(1,984)	1:130:A:LEU:HA	1:195:A:SER:H	19	0.38
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	20	0.38
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	8	0.38
(1,946)	1:185:A:LEU:HA	1:190:A:ASN:H	10	0.38
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	2	0.38
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	2	0.38
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	5	0.38
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	5	0.38
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	5	0.38
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	14	0.38
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	14	0.38
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	14	0.38
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	1	0.38
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	18	0.38
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	17	0.38
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	14	0.38
(1,794)	1:158:A:GLY:H	1:159:A:GLU:HA	9	0.38
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	4	0.38
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	15	0.38
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	10	0.38
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	10	0.38
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	10	0.38
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	11	0.38
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	18	0.38
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	5	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	19	0.38
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	3	0.38
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	7	0.38
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	20	0.38
(1,676)	1:91:A:THR:HG21	1:134:A:PHE:H	14	0.38
(1,676)	1:91:A:THR:HG22	1:134:A:PHE:H	14	0.38
(1,676)	1:91:A:THR:HG23	1:134:A:PHE:H	14	0.38
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	15	0.38
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	18	0.38
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	3	0.38
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	12	0.38
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	6	0.38
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	13	0.38
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	1	0.38
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	8	0.38
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	6	0.38
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	6	0.38
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	6	0.38
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	6	0.38
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	13	0.38
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	13	0.38
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	13	0.38
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	11	0.38
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	16	0.38
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	18	0.38
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	13	0.38
(1,479)	1:95:A:LEU:HB3	1:96:A:GLU:H	19	0.38
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	3	0.38
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	18	0.38
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	18	0.38
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	18	0.38
(1,433)	1:109:A:GLN:HG3	1:118:A:ARG:H	5	0.38
(1,426)	1:115:A:LEU:HG	1:174:A:VAL:H	4	0.38
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	14	0.38
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB1	5	0.38
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB2	5	0.38
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB3	5	0.38
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	10	0.38
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	10	0.38
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	12	0.38
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	12	0.38
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	12	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	16	0.38
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	16	0.38
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	16	0.38
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG2	4	0.38
(1,293)	1:170:A:THR:HB	1:172:A:GLU:HG3	4	0.38
(1,291)	1:115:A:LEU:HG	1:169:A:HIS:HE1	3	0.38
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	17	0.38
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	17	0.38
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	17	0.38
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	7	0.38
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	8	0.38
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	20	0.38
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	1	0.38
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	1	0.38
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	1	0.38
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	1	0.38
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	1	0.38
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	1	0.38
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	12	0.38
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	12	0.38
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	12	0.38
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	12	0.38
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	12	0.38
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	12	0.38
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD11	6	0.38
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD12	6	0.38
(1,195)	1:145:A:ILE:HA	1:145:A:ILE:HD13	6	0.38
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	1	0.38
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	1	0.38
(1,147)	1:130:A:LEU:HD21	1:149:A:ALA:HA	11	0.38
(1,147)	1:130:A:LEU:HD22	1:149:A:ALA:HA	11	0.38
(1,147)	1:130:A:LEU:HD23	1:149:A:ALA:HA	11	0.38
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	2	0.38
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	2	0.38
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	2	0.38
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	6	0.38
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	6	0.38
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	6	0.38
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	16	0.38
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	16	0.38
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	16	0.38
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	9	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	9	0.38
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	9	0.38
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	15	0.38
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	15	0.38
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	15	0.38
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	1	0.38
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	1	0.38
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	1	0.38
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	12	0.38
(1,83)	1:112:A:ALA:HB1	1:115:A:LEU:HG	10	0.38
(1,83)	1:112:A:ALA:HB2	1:115:A:LEU:HG	10	0.38
(1,83)	1:112:A:ALA:HB3	1:115:A:LEU:HG	10	0.38
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	7	0.38
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE1	12	0.38
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE2	12	0.38
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE3	12	0.38
(1,36)	1:91:A:THR:HG21	1:133:A:ASN:HB3	6	0.38
(1,36)	1:91:A:THR:HG22	1:133:A:ASN:HB3	6	0.38
(1,36)	1:91:A:THR:HG23	1:133:A:ASN:HB3	6	0.38
(1,28)	1:90:A:LEU:HD11	1:197:A:THR:HG21	1	0.38
(1,28)	1:90:A:LEU:HD11	1:197:A:THR:HG22	1	0.38
(1,28)	1:90:A:LEU:HD11	1:197:A:THR:HG23	1	0.38
(1,28)	1:90:A:LEU:HD12	1:197:A:THR:HG21	1	0.38
(1,28)	1:90:A:LEU:HD12	1:197:A:THR:HG22	1	0.38
(1,28)	1:90:A:LEU:HD12	1:197:A:THR:HG23	1	0.38
(1,28)	1:90:A:LEU:HD13	1:197:A:THR:HG21	1	0.38
(1,28)	1:90:A:LEU:HD13	1:197:A:THR:HG22	1	0.38
(1,28)	1:90:A:LEU:HD13	1:197:A:THR:HG23	1	0.38
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG21	4	0.38
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG22	4	0.38
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG23	4	0.38
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG21	4	0.38
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG22	4	0.38
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG23	4	0.38
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	20	0.38
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	20	0.38
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	20	0.38
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	20	0.38
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	6	0.38
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	6	0.38
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	6	0.38
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	6	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD1	1	0.37
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD2	1	0.37
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD1	1	0.37
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD2	1	0.37
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG11	10	0.37
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG12	10	0.37
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG13	10	0.37
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG21	10	0.37
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG22	10	0.37
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG23	10	0.37
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	18	0.37
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	18	0.37
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	8	0.37
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	8	0.37
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	8	0.37
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	8	0.37
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	8	0.37
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	8	0.37
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG11	9	0.37
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG12	9	0.37
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG13	9	0.37
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG21	9	0.37
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG22	9	0.37
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG23	9	0.37
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	16	0.37
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	16	0.37
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA2	16	0.37
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA3	16	0.37
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA2	16	0.37
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA3	16	0.37
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA2	16	0.37
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA3	16	0.37
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	3	0.37
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	3	0.37
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	5	0.37
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	5	0.37
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	17	0.37
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	17	0.37
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	3	0.37
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	3	0.37
(1,1640)	1:131:A:LYS:HB2	1:150:A:PHE:H	5	0.37
(1,1640)	1:131:A:LYS:HB3	1:150:A:PHE:H	5	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1640)	1:131:A:LYS:HB2	1:150:A:PHE:H	14	0.37
(1,1640)	1:131:A:LYS:HB3	1:150:A:PHE:H	14	0.37
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB2	10	0.37
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB3	10	0.37
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB2	14	0.37
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB3	14	0.37
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	18	0.37
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	18	0.37
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	18	0.37
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	18	0.37
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	18	0.37
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	18	0.37
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	6	0.37
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	6	0.37
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	6	0.37
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	6	0.37
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	6	0.37
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	6	0.37
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	8	0.37
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	8	0.37
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	6	0.37
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	6	0.37
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	13	0.37
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	13	0.37
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	9	0.37
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	9	0.37
(1,1460)	1:104:A:MET:HG2	1:105:A:LEU:H	20	0.37
(1,1460)	1:104:A:MET:HG3	1:105:A:LEU:H	20	0.37
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	17	0.37
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	17	0.37
(1,1423)	1:98:A:MET:HB2	1:99:A:SER:H	7	0.37
(1,1423)	1:98:A:MET:HB3	1:99:A:SER:H	7	0.37
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	7	0.37
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	7	0.37
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	7	0.37
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	7	0.37
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	7	0.37
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	7	0.37
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	5	0.37
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	5	0.37
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	6	0.37
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	6	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	1	0.37
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	1	0.37
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	3	0.37
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	3	0.37
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	6	0.37
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	6	0.37
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	8	0.37
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	8	0.37
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	12	0.37
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	12	0.37
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	12	0.37
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	12	0.37
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	12	0.37
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	19	0.37
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	19	0.37
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	6	0.37
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	7	0.37
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	11	0.37
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	20	0.37
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	20	0.37
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	20	0.37
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	8	0.37
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	14	0.37
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	2	0.37
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	2	0.37
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	2	0.37
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	14	0.37
(1,1123)	1:109:A:GLN:HG2	1:117:A:ILE:H	11	0.37
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	10	0.37
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	10	0.37
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	10	0.37
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	15	0.37
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	15	0.37
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	15	0.37
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	19	0.37
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	19	0.37
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	19	0.37
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	19	0.37
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	20	0.37
(1,992)	1:197:A:THR:H	1:197:A:THR:HG21	1	0.37
(1,992)	1:197:A:THR:H	1:197:A:THR:HG22	1	0.37
(1,992)	1:197:A:THR:H	1:197:A:THR:HG23	1	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	6	0.37
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	12	0.37
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	16	0.37
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	2	0.37
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	9	0.37
(1,946)	1:185:A:LEU:HA	1:190:A:ASN:H	9	0.37
(1,946)	1:185:A:LEU:HA	1:190:A:ASN:H	15	0.37
(1,937)	1:188:A:ASN:H	1:190:A:ASN:H	7	0.37
(1,937)	1:188:A:ASN:H	1:190:A:ASN:H	15	0.37
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	11	0.37
(1,925)	1:185:A:LEU:HB2	1:186:A:GLU:H	7	0.37
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	7	0.37
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	7	0.37
(1,913)	1:181:A:LEU:HB2	1:185:A:LEU:H	12	0.37
(1,913)	1:181:A:LEU:HB3	1:185:A:LEU:H	12	0.37
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	7	0.37
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	2	0.37
(1,874)	1:178:A:VAL:H	1:203:A:TRP:HE3	3	0.37
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	17	0.37
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	17	0.37
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	17	0.37
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	5	0.37
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	10	0.37
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	9	0.37
(1,826)	1:169:A:HIS:HB3	1:170:A:THR:H	8	0.37
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	4	0.37
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	8	0.37
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	8	0.37
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	8	0.37
(1,771)	1:150:A:PHE:HB3	1:155:A:ALA:H	4	0.37
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	9	0.37
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	17	0.37
(1,676)	1:91:A:THR:HG21	1:134:A:PHE:H	10	0.37
(1,676)	1:91:A:THR:HG22	1:134:A:PHE:H	10	0.37
(1,676)	1:91:A:THR:HG23	1:134:A:PHE:H	10	0.37
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	7	0.37
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	16	0.37
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	19	0.37
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	7	0.37
(1,620)	1:124:A:MET:HB3	1:125:A:ASP:H	20	0.37
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	9	0.37
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	1	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	1	0.37
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	1	0.37
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	4	0.37
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	12	0.37
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	8	0.37
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD11	17	0.37
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD12	17	0.37
(1,556)	1:116:A:CYS:H	1:117:A:ILE:HD13	17	0.37
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	12	0.37
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	3	0.37
(1,461)	1:91:A:THR:H	1:197:A:THR:HG21	20	0.37
(1,461)	1:91:A:THR:H	1:197:A:THR:HG22	20	0.37
(1,461)	1:91:A:THR:H	1:197:A:THR:HG23	20	0.37
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	5	0.37
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	9	0.37
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	6	0.37
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	10	0.37
(1,389)	1:196:A:GLU:HB3	1:197:A:THR:H	20	0.37
(1,350)	1:187:A:ARG:HB2	1:188:A:ASN:HA	3	0.37
(1,350)	1:187:A:ARG:HB3	1:188:A:ASN:HA	3	0.37
(1,339)	1:182:A:ILE:HD11	1:192:A:VAL:HB	13	0.37
(1,339)	1:182:A:ILE:HD12	1:192:A:VAL:HB	13	0.37
(1,339)	1:182:A:ILE:HD13	1:192:A:VAL:HB	13	0.37
(1,336)	1:182:A:ILE:HA	1:185:A:LEU:HG	11	0.37
(1,303)	1:115:A:LEU:HG	1:174:A:VAL:HA	6	0.37
(1,303)	1:115:A:LEU:HG	1:174:A:VAL:HA	17	0.37
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	12	0.37
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	12	0.37
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	12	0.37
(1,239)	1:152:A:GLU:HG2	1:153:A:GLU:H	20	0.37
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	2	0.37
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	2	0.37
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	2	0.37
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	2	0.37
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	2	0.37
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	2	0.37
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB2	3	0.37
(1,181)	1:137:A:ILE:HA	1:138:A:PHE:HB3	3	0.37
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	13	0.37
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	13	0.37
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	13	0.37
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	20	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	20	0.37
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	20	0.37
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG21	7	0.37
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG22	7	0.37
(1,130)	1:128:A:ILE:HA	1:151:A:THR:HG23	7	0.37
(1,125)	1:127:A:ASN:HB3	1:191:A:THR:HB	7	0.37
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB1	15	0.37
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB2	15	0.37
(1,107)	1:120:A:ASP:HA	1:122:A:ALA:HB3	15	0.37
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	10	0.37
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	10	0.37
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	10	0.37
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	11	0.37
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	11	0.37
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	11	0.37
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	10	0.37
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	10	0.37
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	5	0.37
(1,1810)	1:200:A:ARG:HB2	1:201:A:PHE:HD1	20	0.36
(1,1810)	1:200:A:ARG:HB2	1:201:A:PHE:HD2	20	0.36
(1,1810)	1:200:A:ARG:HB3	1:201:A:PHE:HD1	20	0.36
(1,1810)	1:200:A:ARG:HB3	1:201:A:PHE:HD2	20	0.36
(1,1796)	1:199:A:GLN:H	1:199:A:GLN:HG2	16	0.36
(1,1796)	1:199:A:GLN:H	1:199:A:GLN:HG3	16	0.36
(1,1760)	1:185:A:LEU:HD11	1:189:A:ASP:H	7	0.36
(1,1760)	1:185:A:LEU:HD12	1:189:A:ASP:H	7	0.36
(1,1760)	1:185:A:LEU:HD13	1:189:A:ASP:H	7	0.36
(1,1760)	1:185:A:LEU:HD21	1:189:A:ASP:H	7	0.36
(1,1760)	1:185:A:LEU:HD22	1:189:A:ASP:H	7	0.36
(1,1760)	1:185:A:LEU:HD23	1:189:A:ASP:H	7	0.36
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	18	0.36
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	18	0.36
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	18	0.36
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	18	0.36
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	18	0.36
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	18	0.36
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	13	0.36
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	13	0.36
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	13	0.36
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	13	0.36
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	13	0.36
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	13	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG21	11	0.36
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG22	11	0.36
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG23	11	0.36
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG21	11	0.36
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG22	11	0.36
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG23	11	0.36
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	9	0.36
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	9	0.36
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	19	0.36
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	19	0.36
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	1	0.36
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	1	0.36
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	1	0.36
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	1	0.36
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	1	0.36
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	1	0.36
(1,1653)	1:136:A:VAL:HG11	1:140:A:ARG:H	15	0.36
(1,1653)	1:136:A:VAL:HG12	1:140:A:ARG:H	15	0.36
(1,1653)	1:136:A:VAL:HG13	1:140:A:ARG:H	15	0.36
(1,1653)	1:136:A:VAL:HG21	1:140:A:ARG:H	15	0.36
(1,1653)	1:136:A:VAL:HG22	1:140:A:ARG:H	15	0.36
(1,1653)	1:136:A:VAL:HG23	1:140:A:ARG:H	15	0.36
(1,1636)	1:130:A:LEU:HD11	1:194:A:VAL:HA	15	0.36
(1,1636)	1:130:A:LEU:HD12	1:194:A:VAL:HA	15	0.36
(1,1636)	1:130:A:LEU:HD13	1:194:A:VAL:HA	15	0.36
(1,1636)	1:130:A:LEU:HD21	1:194:A:VAL:HA	15	0.36
(1,1636)	1:130:A:LEU:HD22	1:194:A:VAL:HA	15	0.36
(1,1636)	1:130:A:LEU:HD23	1:194:A:VAL:HA	15	0.36
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	15	0.36
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	15	0.36
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	15	0.36
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	15	0.36
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	15	0.36
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	15	0.36
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	15	0.36
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	15	0.36
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	15	0.36
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	15	0.36
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	15	0.36
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	15	0.36
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	15	0.36
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	15	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	15	0.36
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	15	0.36
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	15	0.36
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	15	0.36
(1,1629)	1:130:A:LEU:HD11	1:131:A:LYS:H	18	0.36
(1,1629)	1:130:A:LEU:HD12	1:131:A:LYS:H	18	0.36
(1,1629)	1:130:A:LEU:HD13	1:131:A:LYS:H	18	0.36
(1,1629)	1:130:A:LEU:HD21	1:131:A:LYS:H	18	0.36
(1,1629)	1:130:A:LEU:HD22	1:131:A:LYS:H	18	0.36
(1,1629)	1:130:A:LEU:HD23	1:131:A:LYS:H	18	0.36
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	7	0.36
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	7	0.36
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	16	0.36
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	16	0.36
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	7	0.36
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	7	0.36
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	11	0.36
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	11	0.36
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	15	0.36
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	15	0.36
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	11	0.36
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	11	0.36
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB2	8	0.36
(1,1445)	1:102:A:TRP:HA	1:103:A:PHE:HB3	8	0.36
(1,1438)	1:100:A:ARG:HG2	1:101:A:ASP:H	2	0.36
(1,1438)	1:100:A:ARG:HG3	1:101:A:ASP:H	2	0.36
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	3	0.36
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	3	0.36
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	3	0.36
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	3	0.36
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD2	1	0.36
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD3	1	0.36
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD2	10	0.36
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD3	10	0.36
(1,1424)	1:98:A:MET:HG2	1:100:A:ARG:H	16	0.36
(1,1424)	1:98:A:MET:HG3	1:100:A:ARG:H	16	0.36
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	7	0.36
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	7	0.36
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG11	7	0.36
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG12	7	0.36
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG13	7	0.36
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG21	7	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG22	7	0.36
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG23	7	0.36
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	16	0.36
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	16	0.36
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	16	0.36
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	16	0.36
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	16	0.36
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	16	0.36
(1,1319)	1:200:A:ARG:H	1:202:A:ALA:H	19	0.36
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	10	0.36
(1,1283)	1:184:A:GLY:H	1:185:A:LEU:HA	5	0.36
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	5	0.36
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	5	0.36
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	16	0.36
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	13	0.36
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	13	0.36
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	13	0.36
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	17	0.36
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	19	0.36
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	4	0.36
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	4	0.36
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	15	0.36
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	15	0.36
(1,1216)	1:152:A:GLU:H	1:152:A:GLU:HB3	8	0.36
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	3	0.36
(1,1193)	1:144:A:LEU:HD11	1:147:A:LEU:H	20	0.36
(1,1193)	1:144:A:LEU:HD12	1:147:A:LEU:H	20	0.36
(1,1193)	1:144:A:LEU:HD13	1:147:A:LEU:H	20	0.36
(1,1193)	1:144:A:LEU:HD21	1:147:A:LEU:H	20	0.36
(1,1193)	1:144:A:LEU:HD22	1:147:A:LEU:H	20	0.36
(1,1193)	1:144:A:LEU:HD23	1:147:A:LEU:H	20	0.36
(1,1122)	1:116:A:CYS:H	1:160:A:ILE:HG21	13	0.36
(1,1122)	1:116:A:CYS:H	1:160:A:ILE:HG22	13	0.36
(1,1122)	1:116:A:CYS:H	1:160:A:ILE:HG23	13	0.36
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	4	0.36
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	4	0.36
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	4	0.36
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	17	0.36
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	5	0.36
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	13	0.36
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	9	0.36
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	9	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	9	0.36
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	15	0.36
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	15	0.36
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	15	0.36
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	18	0.36
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	18	0.36
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	18	0.36
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	8	0.36
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	19	0.36
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	19	0.36
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	14	0.36
(1,933)	1:187:A:ARG:HD2	1:188:A:ASN:H	20	0.36
(1,933)	1:187:A:ARG:HD3	1:188:A:ASN:H	20	0.36
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	7	0.36
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	4	0.36
(1,850)	1:171:A:ASP:HA	1:175:A:LYS:H	19	0.36
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	1	0.36
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	4	0.36
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	14	0.36
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	19	0.36
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	5	0.36
(1,821)	1:114:A:SER:HA	1:163:A:LEU:H	10	0.36
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	4	0.36
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	4	0.36
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	4	0.36
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	20	0.36
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	20	0.36
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	20	0.36
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	9	0.36
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	14	0.36
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	20	0.36
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	20	0.36
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	20	0.36
(1,757)	1:152:A:GLU:H	1:152:A:GLU:HB2	1	0.36
(1,757)	1:152:A:GLU:H	1:152:A:GLU:HB2	5	0.36
(1,757)	1:152:A:GLU:H	1:152:A:GLU:HB2	13	0.36
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	12	0.36
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	12	0.36
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	12	0.36
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	10	0.36
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	10	0.36
(1,664)	1:129:A:ILE:HG21	1:131:A:LYS:H	5	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:129:A:ILE:HG22	1:131:A:LYS:H	5	0.36
(1,664)	1:129:A:ILE:HG23	1:131:A:LYS:H	5	0.36
(1,642)	1:127:A:ASN:H	1:191:A:THR:HB	4	0.36
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	6	0.36
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	6	0.36
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	6	0.36
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	13	0.36
(1,620)	1:124:A:MET:HB3	1:125:A:ASP:H	1	0.36
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	11	0.36
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	11	0.36
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	11	0.36
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	6	0.36
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	7	0.36
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	8	0.36
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	14	0.36
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	14	0.36
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	14	0.36
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	20	0.36
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	20	0.36
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	20	0.36
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	1	0.36
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	19	0.36
(1,461)	1:91:A:THR:H	1:197:A:THR:HG21	10	0.36
(1,461)	1:91:A:THR:H	1:197:A:THR:HG22	10	0.36
(1,461)	1:91:A:THR:H	1:197:A:THR:HG23	10	0.36
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	2	0.36
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	2	0.36
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	2	0.36
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	18	0.36
(1,411)	1:202:A:ALA:HB1	1:203:A:TRP:HE3	12	0.36
(1,411)	1:202:A:ALA:HB2	1:203:A:TRP:HE3	12	0.36
(1,411)	1:202:A:ALA:HB3	1:203:A:TRP:HE3	12	0.36
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	10	0.36
(1,344)	1:181:A:LEU:HG	1:185:A:LEU:H	8	0.36
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	5	0.36
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	2	0.36
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	2	0.36
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	2	0.36
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	1	0.36
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	1	0.36
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	1	0.36
(1,227)	1:150:A:PHE:HD1	1:155:A:ALA:HA	19	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:150:A:PHE:HD2	1:155:A:ALA:HA	19	0.36
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	3	0.36
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	3	0.36
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	3	0.36
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG21	10	0.36
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG22	10	0.36
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG23	10	0.36
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG21	10	0.36
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG22	10	0.36
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG23	10	0.36
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG21	17	0.36
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG22	17	0.36
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG23	17	0.36
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG21	17	0.36
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG22	17	0.36
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG23	17	0.36
(1,159)	1:91:A:THR:HB	1:133:A:ASN:HB2	10	0.36
(1,158)	1:91:A:THR:HB	1:133:A:ASN:HA	13	0.36
(1,158)	1:91:A:THR:HB	1:133:A:ASN:HA	16	0.36
(1,139)	1:129:A:ILE:HA	1:193:A:ARG:HD3	18	0.36
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	7	0.36
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	7	0.36
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	7	0.36
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	18	0.36
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	18	0.36
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	18	0.36
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	8	0.36
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	8	0.36
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	8	0.36
(1,80)	1:112:A:ALA:HB1	1:115:A:LEU:HB2	14	0.36
(1,80)	1:112:A:ALA:HB2	1:115:A:LEU:HB2	14	0.36
(1,80)	1:112:A:ALA:HB3	1:115:A:LEU:HB2	14	0.36
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD11	2	0.36
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD12	2	0.36
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD13	2	0.36
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	4	0.36
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	8	0.36
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	8	0.36
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	13	0.36
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	13	0.36
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	13	0.36
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD21	13	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD22	13	0.35
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA2	15	0.35
(1,1730)	1:178:A:VAL:HG11	1:179:A:GLY:HA3	15	0.35
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA2	15	0.35
(1,1730)	1:178:A:VAL:HG12	1:179:A:GLY:HA3	15	0.35
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA2	15	0.35
(1,1730)	1:178:A:VAL:HG13	1:179:A:GLY:HA3	15	0.35
(1,1726)	1:176:A:ASN:HB2	1:180:A:VAL:H	16	0.35
(1,1726)	1:176:A:ASN:HB3	1:180:A:VAL:H	16	0.35
(1,1699)	1:167:A:PRO:HD2	1:168:A:GLY:H	20	0.35
(1,1699)	1:167:A:PRO:HD3	1:168:A:GLY:H	20	0.35
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	10	0.35
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	10	0.35
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	14	0.35
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	14	0.35
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	20	0.35
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	20	0.35
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	20	0.35
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	20	0.35
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	20	0.35
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	20	0.35
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG12	15	0.35
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG13	15	0.35
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	19	0.35
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	19	0.35
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	19	0.35
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	19	0.35
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	19	0.35
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	19	0.35
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	10	0.35
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	10	0.35
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	13	0.35
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	13	0.35
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG11	4	0.35
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG12	4	0.35
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG13	4	0.35
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG21	4	0.35
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG22	4	0.35
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG23	4	0.35
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	6	0.35
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	6	0.35
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	10	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	10	0.35
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	15	0.35
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	15	0.35
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	15	0.35
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	15	0.35
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	15	0.35
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	15	0.35
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD11	18	0.35
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD12	18	0.35
(1,1440)	1:100:A:ARG:HG2	1:156:A:ILE:HD13	18	0.35
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD11	18	0.35
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD12	18	0.35
(1,1440)	1:100:A:ARG:HG3	1:156:A:ILE:HD13	18	0.35
(1,1438)	1:100:A:ARG:HG2	1:101:A:ASP:H	12	0.35
(1,1438)	1:100:A:ARG:HG3	1:101:A:ASP:H	12	0.35
(1,1434)	1:100:A:ARG:HB2	1:101:A:ASP:H	20	0.35
(1,1434)	1:100:A:ARG:HB3	1:101:A:ASP:H	20	0.35
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD2	4	0.35
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD3	4	0.35
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	2	0.35
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	2	0.35
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	3	0.35
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	3	0.35
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	3	0.35
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	3	0.35
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	3	0.35
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	3	0.35
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB2	6	0.35
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB3	6	0.35
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB2	6	0.35
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB3	6	0.35
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB2	6	0.35
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB3	6	0.35
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB2	18	0.35
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB3	18	0.35
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB2	18	0.35
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB3	18	0.35
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB2	18	0.35
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB3	18	0.35
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG11	18	0.35
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG12	18	0.35
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG13	18	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG21	18	0.35
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG22	18	0.35
(1,1368)	1:90:A:LEU:H	1:136:A:VAL:HG23	18	0.35
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG11	20	0.35
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG12	20	0.35
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG13	20	0.35
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG21	20	0.35
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG22	20	0.35
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG23	20	0.35
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG11	20	0.35
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG12	20	0.35
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG13	20	0.35
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG21	20	0.35
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG22	20	0.35
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG23	20	0.35
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	3	0.35
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	3	0.35
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	3	0.35
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	3	0.35
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	3	0.35
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	3	0.35
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	9	0.35
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	9	0.35
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	9	0.35
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	9	0.35
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	9	0.35
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	9	0.35
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD11	11	0.35
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD12	11	0.35
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD13	11	0.35
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD11	11	0.35
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD12	11	0.35
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD13	11	0.35
(1,1319)	1:200:A:ARG:H	1:202:A:ALA:H	20	0.35
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	9	0.35
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	9	0.35
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	9	0.35
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	20	0.35
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	20	0.35
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	20	0.35
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	9	0.35
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	9	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	11	0.35
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	11	0.35
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	12	0.35
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	12	0.35
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	6	0.35
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	7	0.35
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	4	0.35
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	19	0.35
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	3	0.35
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	7	0.35
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	13	0.35
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	17	0.35
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	11	0.35
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	15	0.35
(1,1175)	1:135:A:SER:H	1:144:A:LEU:HA	11	0.35
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	5	0.35
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	4	0.35
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	13	0.35
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	10	0.35
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	11	0.35
(1,1101)	1:107:A:PRO:HB2	1:108:A:LYS:H	13	0.35
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	14	0.35
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	14	0.35
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	14	0.35
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG21	19	0.35
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG22	19	0.35
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG23	19	0.35
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	2	0.35
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	14	0.35
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	17	0.35
(1,1063)	1:89:A:TYR:HD1	1:90:A:LEU:H	7	0.35
(1,1063)	1:89:A:TYR:HD2	1:90:A:LEU:H	7	0.35
(1,1063)	1:89:A:TYR:HD1	1:90:A:LEU:H	9	0.35
(1,1063)	1:89:A:TYR:HD2	1:90:A:LEU:H	9	0.35
(1,1063)	1:89:A:TYR:HD1	1:90:A:LEU:H	13	0.35
(1,1063)	1:89:A:TYR:HD2	1:90:A:LEU:H	13	0.35
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG2	9	0.35
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG3	9	0.35
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	15	0.35
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	7	0.35
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	7	0.35
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	7	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	18	0.35
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	18	0.35
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	18	0.35
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	14	0.35
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	14	0.35
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	14	0.35
(1,1023)	1:93:A:MET:HE1	1:146:A:LEU:HB2	15	0.35
(1,1023)	1:93:A:MET:HE1	1:146:A:LEU:HB3	15	0.35
(1,1023)	1:93:A:MET:HE2	1:146:A:LEU:HB2	15	0.35
(1,1023)	1:93:A:MET:HE2	1:146:A:LEU:HB3	15	0.35
(1,1023)	1:93:A:MET:HE3	1:146:A:LEU:HB2	15	0.35
(1,1023)	1:93:A:MET:HE3	1:146:A:LEU:HB3	15	0.35
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	14	0.35
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	5	0.35
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	10	0.35
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	12	0.35
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	15	0.35
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	16	0.35
(1,925)	1:185:A:LEU:HB2	1:186:A:GLU:H	9	0.35
(1,925)	1:185:A:LEU:HB2	1:186:A:GLU:H	12	0.35
(1,925)	1:185:A:LEU:HB2	1:186:A:GLU:H	18	0.35
(1,918)	1:185:A:LEU:HB3	1:186:A:GLU:H	4	0.35
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	5	0.35
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	20	0.35
(1,859)	1:175:A:LYS:HB2	1:176:A:ASN:H	15	0.35
(1,859)	1:175:A:LYS:HB3	1:176:A:ASN:H	15	0.35
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	4	0.35
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	7	0.35
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	11	0.35
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	12	0.35
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	12	0.35
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	12	0.35
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	8	0.35
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	8	0.35
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	8	0.35
(1,757)	1:152:A:GLU:H	1:152:A:GLU:HB2	2	0.35
(1,757)	1:152:A:GLU:H	1:152:A:GLU:HB2	3	0.35
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	14	0.35
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	14	0.35
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	14	0.35
(1,664)	1:129:A:ILE:HG21	1:131:A:LYS:H	7	0.35
(1,664)	1:129:A:ILE:HG22	1:131:A:LYS:H	7	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:129:A:ILE:HG23	1:131:A:LYS:H	7	0.35
(1,664)	1:129:A:ILE:HG21	1:131:A:LYS:H	16	0.35
(1,664)	1:129:A:ILE:HG22	1:131:A:LYS:H	16	0.35
(1,664)	1:129:A:ILE:HG23	1:131:A:LYS:H	16	0.35
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	9	0.35
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	15	0.35
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	4	0.35
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	4	0.35
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	2	0.35
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	4	0.35
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	7	0.35
(1,620)	1:124:A:MET:HB3	1:125:A:ASP:H	14	0.35
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	11	0.35
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	15	0.35
(1,590)	1:121:A:GLN:H	1:121:A:GLN:HG3	14	0.35
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	8	0.35
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	8	0.35
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	8	0.35
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	17	0.35
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	3	0.35
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	15	0.35
(1,493)	1:98:A:MET:HG3	1:99:A:SER:H	15	0.35
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	1	0.35
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	9	0.35
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	15	0.35
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	2	0.35
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	12	0.35
(1,423)	1:203:A:TRP:HA	1:203:A:TRP:HD1	10	0.35
(1,418)	1:178:A:VAL:HG11	1:203:A:TRP:HZ3	18	0.35
(1,418)	1:178:A:VAL:HG12	1:203:A:TRP:HZ3	18	0.35
(1,418)	1:178:A:VAL:HG13	1:203:A:TRP:HZ3	18	0.35
(1,389)	1:196:A:GLU:HB3	1:197:A:THR:H	8	0.35
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	2	0.35
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	2	0.35
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	2	0.35
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	9	0.35
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	9	0.35
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	9	0.35
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	9	0.35
(1,301)	1:172:A:GLU:HG2	1:173:A:ASP:H	4	0.35
(1,301)	1:172:A:GLU:HG3	1:173:A:ASP:H	4	0.35
(1,258)	1:100:A:ARG:HD3	1:156:A:ILE:HD11	15	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:100:A:ARG:HD3	1:156:A:ILE:HD12	15	0.35
(1,258)	1:100:A:ARG:HD3	1:156:A:ILE:HD13	15	0.35
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	14	0.35
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	15	0.35
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	17	0.35
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	4	0.35
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	4	0.35
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	4	0.35
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	10	0.35
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	10	0.35
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	10	0.35
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	15	0.35
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	15	0.35
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	15	0.35
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	17	0.35
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	17	0.35
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	17	0.35
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	11	0.35
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	16	0.35
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	16	0.35
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	16	0.35
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	5	0.35
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	5	0.35
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	5	0.35
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	18	0.35
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	18	0.35
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	18	0.35
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	19	0.35
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	19	0.35
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	19	0.35
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	2	0.35
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	13	0.35
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG21	13	0.35
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG22	13	0.35
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG23	13	0.35
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG21	13	0.35
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG22	13	0.35
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG23	13	0.35
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	15	0.34
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	15	0.34
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	7	0.34
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	7	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	7	0.34
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	7	0.34
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	7	0.34
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	7	0.34
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	7	0.34
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	7	0.34
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	7	0.34
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	7	0.34
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	7	0.34
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	7	0.34
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	7	0.34
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	7	0.34
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	7	0.34
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	7	0.34
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	7	0.34
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	7	0.34
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	4	0.34
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	4	0.34
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	2	0.34
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	2	0.34
(1,1693)	1:162:A:PRO:HG2	1:169:A:HIS:HE1	3	0.34
(1,1693)	1:162:A:PRO:HG3	1:169:A:HIS:HE1	3	0.34
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	11	0.34
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	11	0.34
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	19	0.34
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	19	0.34
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	19	0.34
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	19	0.34
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	19	0.34
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	19	0.34
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	18	0.34
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	18	0.34
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	18	0.34
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	18	0.34
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	18	0.34
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	18	0.34
(1,1629)	1:130:A:LEU:HD11	1:131:A:LYS:H	11	0.34
(1,1629)	1:130:A:LEU:HD12	1:131:A:LYS:H	11	0.34
(1,1629)	1:130:A:LEU:HD13	1:131:A:LYS:H	11	0.34
(1,1629)	1:130:A:LEU:HD21	1:131:A:LYS:H	11	0.34
(1,1629)	1:130:A:LEU:HD22	1:131:A:LYS:H	11	0.34
(1,1629)	1:130:A:LEU:HD23	1:131:A:LYS:H	11	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	15	0.34
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	15	0.34
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	15	0.34
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	15	0.34
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	15	0.34
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	15	0.34
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	11	0.34
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	11	0.34
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	11	0.34
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	11	0.34
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	11	0.34
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	11	0.34
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	11	0.34
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	11	0.34
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	18	0.34
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	18	0.34
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	18	0.34
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	18	0.34
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	18	0.34
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	18	0.34
(1,1494)	1:108:A:LYS:HG2	1:121:A:GLN:HG2	20	0.34
(1,1494)	1:108:A:LYS:HG2	1:121:A:GLN:HG3	20	0.34
(1,1494)	1:108:A:LYS:HG3	1:121:A:GLN:HG2	20	0.34
(1,1494)	1:108:A:LYS:HG3	1:121:A:GLN:HG3	20	0.34
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	3	0.34
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	3	0.34
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	1	0.34
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	1	0.34
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	13	0.34
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	13	0.34
(1,1438)	1:100:A:ARG:HG2	1:101:A:ASP:H	16	0.34
(1,1438)	1:100:A:ARG:HG3	1:101:A:ASP:H	16	0.34
(1,1438)	1:100:A:ARG:HG2	1:101:A:ASP:H	18	0.34
(1,1438)	1:100:A:ARG:HG3	1:101:A:ASP:H	18	0.34
(1,1434)	1:100:A:ARG:HB2	1:101:A:ASP:H	9	0.34
(1,1434)	1:100:A:ARG:HB3	1:101:A:ASP:H	9	0.34
(1,1424)	1:98:A:MET:HG2	1:100:A:ARG:H	11	0.34
(1,1424)	1:98:A:MET:HG3	1:100:A:ARG:H	11	0.34
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	6	0.34
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	6	0.34
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	15	0.34
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	15	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	15	0.34
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	15	0.34
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	9	0.34
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	9	0.34
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	9	0.34
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	9	0.34
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	9	0.34
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	9	0.34
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB2	11	0.34
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB3	11	0.34
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB2	11	0.34
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB3	11	0.34
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB2	11	0.34
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB3	11	0.34
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	19	0.34
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	19	0.34
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	19	0.34
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	3	0.34
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	4	0.34
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	4	0.34
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	13	0.34
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	13	0.34
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	7	0.34
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	7	0.34
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	1	0.34
(1,1249)	1:171:A:ASP:H	1:172:A:GLU:HB2	8	0.34
(1,1249)	1:171:A:ASP:H	1:172:A:GLU:HB3	8	0.34
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	3	0.34
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	9	0.34
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	12	0.34
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	18	0.34
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	12	0.34
(1,1208)	1:128:A:ILE:HG21	1:151:A:THR:H	5	0.34
(1,1208)	1:128:A:ILE:HG22	1:151:A:THR:H	5	0.34
(1,1208)	1:128:A:ILE:HG23	1:151:A:THR:H	5	0.34
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD21	6	0.34
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD22	6	0.34
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD23	6	0.34
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	10	0.34
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	4	0.34
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	4	0.34
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	20	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	12	0.34
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	11	0.34
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	4	0.34
(1,1124)	1:112:A:ALA:HB1	1:117:A:ILE:H	13	0.34
(1,1124)	1:112:A:ALA:HB2	1:117:A:ILE:H	13	0.34
(1,1124)	1:112:A:ALA:HB3	1:117:A:ILE:H	13	0.34
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	6	0.34
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	6	0.34
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	6	0.34
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	4	0.34
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	6	0.34
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	14	0.34
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG11	11	0.34
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG12	11	0.34
(1,1065)	1:90:A:LEU:H	1:136:A:VAL:HG13	11	0.34
(1,1052)	1:138:A:PHE:HB2	1:140:A:ARG:H	16	0.34
(1,1052)	1:138:A:PHE:HB3	1:140:A:ARG:H	16	0.34
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	8	0.34
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	8	0.34
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	8	0.34
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	17	0.34
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	17	0.34
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	17	0.34
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	2	0.34
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	6	0.34
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	13	0.34
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	4	0.34
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	14	0.34
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	17	0.34
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	5	0.34
(1,918)	1:185:A:LEU:HB3	1:186:A:GLU:H	14	0.34
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	6	0.34
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	19	0.34
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	3	0.34
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	3	0.34
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	3	0.34
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	3	0.34
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	1	0.34
(1,821)	1:114:A:SER:HA	1:163:A:LEU:H	1	0.34
(1,821)	1:114:A:SER:HA	1:163:A:LEU:H	3	0.34
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	5	0.34
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	5	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	5	0.34
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	8	0.34
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	7	0.34
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	20	0.34
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	13	0.34
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	13	0.34
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	18	0.34
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	13	0.34
(1,663)	1:130:A:LEU:H	1:195:A:SER:H	5	0.34
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	1	0.34
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	8	0.34
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	10	0.34
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	17	0.34
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	18	0.34
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	20	0.34
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	5	0.34
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	11	0.34
(1,639)	1:127:A:ASN:H	1:152:A:GLU:HG3	18	0.34
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	19	0.34
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	11	0.34
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	4	0.34
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	8	0.34
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	16	0.34
(1,613)	1:124:A:MET:H	1:124:A:MET:HB3	17	0.34
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	14	0.34
(1,590)	1:121:A:GLN:H	1:121:A:GLN:HG3	12	0.34
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	10	0.34
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	10	0.34
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	10	0.34
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	12	0.34
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	6	0.34
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	18	0.34
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	1	0.34
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	1	0.34
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	1	0.34
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	17	0.34
(1,373)	1:182:A:ILE:HA	1:192:A:VAL:HG21	8	0.34
(1,373)	1:182:A:ILE:HA	1:192:A:VAL:HG22	8	0.34
(1,373)	1:182:A:ILE:HA	1:192:A:VAL:HG23	8	0.34
(1,360)	1:187:A:ARG:HD2	1:189:A:ASP:H	3	0.34
(1,360)	1:187:A:ARG:HD3	1:189:A:ASP:H	3	0.34
(1,320)	1:178:A:VAL:HG21	1:203:A:TRP:HB2	1	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:178:A:VAL:HG22	1:203:A:TRP:HB2	1	0.34
(1,320)	1:178:A:VAL:HG23	1:203:A:TRP:HB2	1	0.34
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	12	0.34
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	12	0.34
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	12	0.34
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	12	0.34
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	12	0.34
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	12	0.34
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	12	0.34
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	12	0.34
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	12	0.34
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	7	0.34
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	7	0.34
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	7	0.34
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	9	0.34
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	13	0.34
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	19	0.34
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG21	3	0.34
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG22	3	0.34
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG23	3	0.34
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG21	3	0.34
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG22	3	0.34
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG23	3	0.34
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	20	0.34
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	20	0.34
(1,160)	1:93:A:MET:HE1	1:133:A:ASN:HB3	7	0.34
(1,160)	1:93:A:MET:HE2	1:133:A:ASN:HB3	7	0.34
(1,160)	1:93:A:MET:HE3	1:133:A:ASN:HB3	7	0.34
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	3	0.34
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	3	0.34
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	3	0.34
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	8	0.34
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	8	0.34
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	8	0.34
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	14	0.34
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	14	0.34
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	14	0.34
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	1	0.34
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	1	0.34
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	1	0.34
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	1	0.34
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	6	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	6	0.34
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	6	0.34
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	15	0.34
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	15	0.34
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	15	0.34
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE1	1	0.34
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE2	1	0.34
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE3	1	0.34
(1,29)	1:90:A:LEU:HD21	1:197:A:THR:HB	16	0.34
(1,29)	1:90:A:LEU:HD22	1:197:A:THR:HB	16	0.34
(1,29)	1:90:A:LEU:HD23	1:197:A:THR:HB	16	0.34
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG2	14	0.34
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG3	14	0.34
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB2	2	0.34
(1,8)	1:87:A:SER:HB2	1:135:A:SER:HB3	2	0.34
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB2	2	0.34
(1,8)	1:87:A:SER:HB3	1:135:A:SER:HB3	2	0.34
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	18	0.34
(1,1796)	1:199:A:GLN:H	1:199:A:GLN:HG2	7	0.33
(1,1796)	1:199:A:GLN:H	1:199:A:GLN:HG3	7	0.33
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	4	0.33
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	4	0.33
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	4	0.33
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	4	0.33
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	4	0.33
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	4	0.33
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG11	10	0.33
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG12	10	0.33
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG13	10	0.33
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG21	10	0.33
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG22	10	0.33
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG23	10	0.33
(1,1692)	1:162:A:PRO:HG2	1:163:A:LEU:H	17	0.33
(1,1692)	1:162:A:PRO:HG3	1:163:A:LEU:H	17	0.33
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	4	0.33
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	4	0.33
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	16	0.33
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	16	0.33
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD1	16	0.33
(1,1671)	1:147:A:LEU:HD11	1:201:A:PHE:HD2	16	0.33
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD1	16	0.33
(1,1671)	1:147:A:LEU:HD12	1:201:A:PHE:HD2	16	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD1	16	0.33
(1,1671)	1:147:A:LEU:HD13	1:201:A:PHE:HD2	16	0.33
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD1	16	0.33
(1,1671)	1:147:A:LEU:HD21	1:201:A:PHE:HD2	16	0.33
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD1	16	0.33
(1,1671)	1:147:A:LEU:HD22	1:201:A:PHE:HD2	16	0.33
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD1	16	0.33
(1,1671)	1:147:A:LEU:HD23	1:201:A:PHE:HD2	16	0.33
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	2	0.33
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	2	0.33
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	2	0.33
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	2	0.33
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	2	0.33
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	2	0.33
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG2	19	0.33
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG3	19	0.33
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	1	0.33
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	1	0.33
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	1	0.33
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	1	0.33
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	10	0.33
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	10	0.33
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	10	0.33
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	10	0.33
(1,1640)	1:131:A:LYS:HB2	1:150:A:PHE:H	3	0.33
(1,1640)	1:131:A:LYS:HB3	1:150:A:PHE:H	3	0.33
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	17	0.33
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	17	0.33
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	17	0.33
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	17	0.33
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	17	0.33
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	17	0.33
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	14	0.33
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	14	0.33
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	18	0.33
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	18	0.33
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	18	0.33
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	18	0.33
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	18	0.33
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	18	0.33
(1,1535)	1:115:A:LEU:HD11	1:116:A:CYS:H	10	0.33
(1,1535)	1:115:A:LEU:HD12	1:116:A:CYS:H	10	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:115:A:LEU:HD13	1:116:A:CYS:H	10	0.33
(1,1535)	1:115:A:LEU:HD21	1:116:A:CYS:H	10	0.33
(1,1535)	1:115:A:LEU:HD22	1:116:A:CYS:H	10	0.33
(1,1535)	1:115:A:LEU:HD23	1:116:A:CYS:H	10	0.33
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG2	3	0.33
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG3	3	0.33
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	7	0.33
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	7	0.33
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	13	0.33
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	13	0.33
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	13	0.33
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	13	0.33
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	13	0.33
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	13	0.33
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	7	0.33
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	7	0.33
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	18	0.33
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	18	0.33
(1,1438)	1:100:A:ARG:HG2	1:101:A:ASP:H	5	0.33
(1,1438)	1:100:A:ARG:HG3	1:101:A:ASP:H	5	0.33
(1,1438)	1:100:A:ARG:HG2	1:101:A:ASP:H	11	0.33
(1,1438)	1:100:A:ARG:HG3	1:101:A:ASP:H	11	0.33
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	11	0.33
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	11	0.33
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	11	0.33
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	11	0.33
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	3	0.33
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	3	0.33
(1,1423)	1:98:A:MET:HB2	1:99:A:SER:H	9	0.33
(1,1423)	1:98:A:MET:HB3	1:99:A:SER:H	9	0.33
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	1	0.33
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	1	0.33
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	3	0.33
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	3	0.33
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	12	0.33
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	12	0.33
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	12	0.33
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	12	0.33
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	12	0.33
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	12	0.33
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	20	0.33
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	20	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	20	0.33
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	20	0.33
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	20	0.33
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	20	0.33
(1,1361)	1:88:A:ARG:HD2	1:89:A:TYR:H	15	0.33
(1,1361)	1:88:A:ARG:HD3	1:89:A:TYR:H	15	0.33
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	7	0.33
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	7	0.33
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	14	0.33
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	14	0.33
(1,1270)	1:178:A:VAL:H	1:203:A:TRP:HZ3	2	0.33
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB2	12	0.33
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB3	12	0.33
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	10	0.33
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	2	0.33
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	19	0.33
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	19	0.33
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	19	0.33
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	20	0.33
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE1	12	0.33
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE2	12	0.33
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	18	0.33
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	13	0.33
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	3	0.33
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	10	0.33
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	2	0.33
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	20	0.33
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	20	0.33
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	20	0.33
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	12	0.33
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	8	0.33
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	9	0.33
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	18	0.33
(1,1046)	1:105:A:LEU:HB2	1:123:A:ILE:H	10	0.33
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	20	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	5	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	5	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	5	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	10	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	10	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	10	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	11	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	11	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	11	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	12	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	12	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	12	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	16	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	16	0.33
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	16	0.33
(1,1023)	1:93:A:MET:HE1	1:146:A:LEU:HB2	7	0.33
(1,1023)	1:93:A:MET:HE1	1:146:A:LEU:HB3	7	0.33
(1,1023)	1:93:A:MET:HE2	1:146:A:LEU:HB2	7	0.33
(1,1023)	1:93:A:MET:HE2	1:146:A:LEU:HB3	7	0.33
(1,1023)	1:93:A:MET:HE3	1:146:A:LEU:HB2	7	0.33
(1,1023)	1:93:A:MET:HE3	1:146:A:LEU:HB3	7	0.33
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	18	0.33
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	18	0.33
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	18	0.33
(1,977)	1:193:A:ARG:H	1:193:A:ARG:HD2	18	0.33
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	13	0.33
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	1	0.33
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	3	0.33
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	19	0.33
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	19	0.33
(1,925)	1:185:A:LEU:HB2	1:186:A:GLU:H	14	0.33
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	6	0.33
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	6	0.33
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	6	0.33
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	16	0.33
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	18	0.33
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	3	0.33
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	3	0.33
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	6	0.33
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	6	0.33
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	6	0.33
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	1	0.33
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	1	0.33
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	1	0.33
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	11	0.33
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	9	0.33
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	9	0.33
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	9	0.33
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	14	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	14	0.33
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	14	0.33
(1,758)	1:152:A:GLU:H	1:152:A:GLU:HG2	12	0.33
(1,757)	1:152:A:GLU:H	1:152:A:GLU:HB2	10	0.33
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	17	0.33
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB2	4	0.33
(1,711)	1:145:A:ILE:H	1:146:A:LEU:HB3	4	0.33
(1,701)	1:137:A:ILE:HG12	1:138:A:PHE:H	6	0.33
(1,701)	1:137:A:ILE:HG13	1:138:A:PHE:H	6	0.33
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	2	0.33
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	15	0.33
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	15	0.33
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	3	0.33
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	12	0.33
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	14	0.33
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	17	0.33
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	18	0.33
(1,620)	1:124:A:MET:HB3	1:125:A:ASP:H	3	0.33
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	13	0.33
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	13	0.33
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	13	0.33
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	14	0.33
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	1	0.33
(1,534)	1:108:A:LYS:H	1:108:A:LYS:HB3	13	0.33
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	5	0.33
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	14	0.33
(1,477)	1:94:A:THR:H	1:96:A:GLU:H	13	0.33
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	12	0.33
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD21	14	0.33
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD22	14	0.33
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD23	14	0.33
(1,426)	1:115:A:LEU:HG	1:174:A:VAL:H	1	0.33
(1,426)	1:115:A:LEU:HG	1:174:A:VAL:H	8	0.33
(1,408)	1:199:A:GLN:HA	1:203:A:TRP:HD1	11	0.33
(1,404)	1:194:A:VAL:HG21	1:203:A:TRP:HB2	9	0.33
(1,404)	1:194:A:VAL:HG22	1:203:A:TRP:HB2	9	0.33
(1,404)	1:194:A:VAL:HG23	1:203:A:TRP:HB2	9	0.33
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	1	0.33
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	1	0.33
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	1	0.33
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	20	0.33
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	20	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	20	0.33
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	6	0.33
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	6	0.33
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	6	0.33
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	6	0.33
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	20	0.33
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	3	0.33
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	3	0.33
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	3	0.33
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	8	0.33
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	8	0.33
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	8	0.33
(1,266)	1:128:A:ILE:HG21	1:157:A:VAL:H	5	0.33
(1,266)	1:128:A:ILE:HG22	1:157:A:VAL:H	5	0.33
(1,266)	1:128:A:ILE:HG23	1:157:A:VAL:H	5	0.33
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	1	0.33
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	2	0.33
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	4	0.33
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	6	0.33
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	10	0.33
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	4	0.33
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	4	0.33
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	4	0.33
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	4	0.33
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	4	0.33
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	4	0.33
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	18	0.33
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	18	0.33
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	18	0.33
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	18	0.33
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	18	0.33
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	18	0.33
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD11	5	0.33
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD12	5	0.33
(1,137)	1:129:A:ILE:HA	1:129:A:ILE:HD13	5	0.33
(1,85)	1:109:A:GLN:HG2	1:116:A:CYS:HA	13	0.33
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	13	0.33
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	13	0.33
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	13	0.33
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	9	0.33
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	9	0.33
(1,46)	1:97:A:GLU:HA	1:98:A:MET:HA	5	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	20	0.33
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE1	6	0.33
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE2	6	0.33
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE3	6	0.33
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG21	19	0.32
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG22	19	0.32
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG23	19	0.32
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG21	19	0.32
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG22	19	0.32
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG23	19	0.32
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB2	7	0.32
(1,1769)	1:188:A:ASN:H	1:189:A:ASP:HB3	7	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD11	9	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD12	9	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD13	9	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD21	9	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD22	9	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD23	9	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD11	14	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD12	14	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD13	14	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD21	14	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD22	14	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD23	14	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD11	18	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD12	18	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD13	18	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD21	18	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD22	18	0.32
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD23	18	0.32
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	7	0.32
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	7	0.32
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG11	5	0.32
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG12	5	0.32
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG13	5	0.32
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG21	5	0.32
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG22	5	0.32
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG23	5	0.32
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB2	7	0.32
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB3	7	0.32
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB2	7	0.32
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB3	7	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB2	16	0.32
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB3	16	0.32
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB2	16	0.32
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB3	16	0.32
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	11	0.32
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	11	0.32
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	11	0.32
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	11	0.32
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	11	0.32
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	11	0.32
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	3	0.32
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	3	0.32
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	3	0.32
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	3	0.32
(1,1633)	1:130:A:LEU:HD11	1:148:A:ARG:H	16	0.32
(1,1633)	1:130:A:LEU:HD12	1:148:A:ARG:H	16	0.32
(1,1633)	1:130:A:LEU:HD13	1:148:A:ARG:H	16	0.32
(1,1633)	1:130:A:LEU:HD21	1:148:A:ARG:H	16	0.32
(1,1633)	1:130:A:LEU:HD22	1:148:A:ARG:H	16	0.32
(1,1633)	1:130:A:LEU:HD23	1:148:A:ARG:H	16	0.32
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	10	0.32
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	10	0.32
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	10	0.32
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	10	0.32
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	10	0.32
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	10	0.32
(1,1598)	1:126:A:LYS:H	1:126:A:LYS:HB2	19	0.32
(1,1598)	1:126:A:LYS:H	1:126:A:LYS:HB3	19	0.32
(1,1560)	1:119:A:MET:HG2	1:120:A:ASP:H	13	0.32
(1,1560)	1:119:A:MET:HG3	1:120:A:ASP:H	13	0.32
(1,1560)	1:119:A:MET:HG2	1:120:A:ASP:H	19	0.32
(1,1560)	1:119:A:MET:HG3	1:120:A:ASP:H	19	0.32
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG11	17	0.32
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG12	17	0.32
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG13	17	0.32
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG21	17	0.32
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG22	17	0.32
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG23	17	0.32
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	7	0.32
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	7	0.32
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	7	0.32
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	7	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	7	0.32
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	7	0.32
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	7	0.32
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	7	0.32
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	19	0.32
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	19	0.32
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	5	0.32
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	5	0.32
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	18	0.32
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	18	0.32
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	18	0.32
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	18	0.32
(1,1434)	1:100:A:ARG:HB2	1:101:A:ASP:H	17	0.32
(1,1434)	1:100:A:ARG:HB3	1:101:A:ASP:H	17	0.32
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	19	0.32
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	19	0.32
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB2	7	0.32
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB3	7	0.32
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB2	7	0.32
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB3	7	0.32
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB2	7	0.32
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB3	7	0.32
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB2	14	0.32
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB3	14	0.32
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB2	14	0.32
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB3	14	0.32
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB2	14	0.32
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB3	14	0.32
(1,1358)	1:88:A:ARG:HG2	1:89:A:TYR:H	19	0.32
(1,1358)	1:88:A:ARG:HG3	1:89:A:TYR:H	19	0.32
(1,1354)	1:88:A:ARG:HB2	1:89:A:TYR:H	13	0.32
(1,1354)	1:88:A:ARG:HB3	1:89:A:TYR:H	13	0.32
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	1	0.32
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	1	0.32
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	1	0.32
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	6	0.32
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	4	0.32
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	5	0.32
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	8	0.32
(1,1286)	1:187:A:ARG:HB2	1:189:A:ASP:H	18	0.32
(1,1286)	1:187:A:ARG:HB3	1:189:A:ASP:H	18	0.32
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	18	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	18	0.32
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	9	0.32
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	9	0.32
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	9	0.32
(1,1244)	1:165:A:SER:HA	1:166:A:LEU:H	9	0.32
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	5	0.32
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	8	0.32
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	10	0.32
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	15	0.32
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	17	0.32
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	14	0.32
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	15	0.32
(1,1192)	1:145:A:ILE:HD11	1:146:A:LEU:H	2	0.32
(1,1192)	1:145:A:ILE:HD12	1:146:A:LEU:H	2	0.32
(1,1192)	1:145:A:ILE:HD13	1:146:A:LEU:H	2	0.32
(1,1192)	1:145:A:ILE:HD11	1:146:A:LEU:H	10	0.32
(1,1192)	1:145:A:ILE:HD12	1:146:A:LEU:H	10	0.32
(1,1192)	1:145:A:ILE:HD13	1:146:A:LEU:H	10	0.32
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	13	0.32
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	13	0.32
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	13	0.32
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	14	0.32
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	6	0.32
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	17	0.32
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	17	0.32
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	17	0.32
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG21	11	0.32
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG22	11	0.32
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG23	11	0.32
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG21	14	0.32
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG22	14	0.32
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG23	14	0.32
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	18	0.32
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	7	0.32
(1,1046)	1:105:A:LEU:HB2	1:123:A:ILE:H	18	0.32
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	16	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	1	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	1	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	1	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	2	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	2	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	2	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	13	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	13	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	13	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	19	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	19	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	19	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	20	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	20	0.32
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	20	0.32
(1,1032)	1:130:A:LEU:HD11	1:149:A:ALA:HA	9	0.32
(1,1032)	1:130:A:LEU:HD12	1:149:A:ALA:HA	9	0.32
(1,1032)	1:130:A:LEU:HD13	1:149:A:ALA:HA	9	0.32
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	4	0.32
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	13	0.32
(1,977)	1:193:A:ARG:H	1:193:A:ARG:HD2	7	0.32
(1,977)	1:193:A:ARG:H	1:193:A:ARG:HD2	11	0.32
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	11	0.32
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	18	0.32
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	16	0.32
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	19	0.32
(1,937)	1:188:A:ASN:H	1:190:A:ASN:H	18	0.32
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	1	0.32
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	13	0.32
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	4	0.32
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	1	0.32
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	1	0.32
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	1	0.32
(1,850)	1:171:A:ASP:HA	1:175:A:LYS:H	16	0.32
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	3	0.32
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	6	0.32
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	11	0.32
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	11	0.32
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	11	0.32
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	17	0.32
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	17	0.32
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	17	0.32
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	20	0.32
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	18	0.32
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	18	0.32
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	14	0.32
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	5	0.32
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	11	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	2	0.32
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	5	0.32
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	5	0.32
(1,624)	1:125:A:ASP:H	1:190:A:ASN:H	18	0.32
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	17	0.32
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	17	0.32
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	20	0.32
(1,553)	1:115:A:LEU:H	1:115:A:LEU:HG	5	0.32
(1,540)	1:109:A:GLN:HG2	1:111:A:VAL:H	18	0.32
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	7	0.32
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	19	0.32
(1,497)	1:100:A:ARG:H	1:100:A:ARG:HG2	3	0.32
(1,465)	1:92:A:ASP:H	1:93:A:MET:HB3	1	0.32
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	19	0.32
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	19	0.32
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	19	0.32
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	9	0.32
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	9	0.32
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	9	0.32
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	10	0.32
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	10	0.32
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	10	0.32
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	10	0.32
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	13	0.32
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	15	0.32
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	15	0.32
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	15	0.32
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	15	0.32
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	15	0.32
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	15	0.32
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	15	0.32
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	15	0.32
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	15	0.32
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	18	0.32
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	18	0.32
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	18	0.32
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	11	0.32
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	11	0.32
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	11	0.32
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	12	0.32
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	12	0.32
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	12	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	18	0.32
(1,154)	1:132:A:ALA:HB1	1:144:A:LEU:HD11	5	0.32
(1,154)	1:132:A:ALA:HB1	1:144:A:LEU:HD12	5	0.32
(1,154)	1:132:A:ALA:HB1	1:144:A:LEU:HD13	5	0.32
(1,154)	1:132:A:ALA:HB1	1:144:A:LEU:HD21	5	0.32
(1,154)	1:132:A:ALA:HB1	1:144:A:LEU:HD22	5	0.32
(1,154)	1:132:A:ALA:HB1	1:144:A:LEU:HD23	5	0.32
(1,154)	1:132:A:ALA:HB2	1:144:A:LEU:HD11	5	0.32
(1,154)	1:132:A:ALA:HB2	1:144:A:LEU:HD12	5	0.32
(1,154)	1:132:A:ALA:HB2	1:144:A:LEU:HD13	5	0.32
(1,154)	1:132:A:ALA:HB2	1:144:A:LEU:HD21	5	0.32
(1,154)	1:132:A:ALA:HB2	1:144:A:LEU:HD22	5	0.32
(1,154)	1:132:A:ALA:HB2	1:144:A:LEU:HD23	5	0.32
(1,154)	1:132:A:ALA:HB3	1:144:A:LEU:HD11	5	0.32
(1,154)	1:132:A:ALA:HB3	1:144:A:LEU:HD12	5	0.32
(1,154)	1:132:A:ALA:HB3	1:144:A:LEU:HD13	5	0.32
(1,154)	1:132:A:ALA:HB3	1:144:A:LEU:HD21	5	0.32
(1,154)	1:132:A:ALA:HB3	1:144:A:LEU:HD22	5	0.32
(1,154)	1:132:A:ALA:HB3	1:144:A:LEU:HD23	5	0.32
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	3	0.32
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	3	0.32
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	3	0.32
(1,82)	1:115:A:LEU:HD11	1:162:A:PRO:HA	4	0.32
(1,82)	1:115:A:LEU:HD12	1:162:A:PRO:HA	4	0.32
(1,82)	1:115:A:LEU:HD13	1:162:A:PRO:HA	4	0.32
(1,80)	1:112:A:ALA:HB1	1:115:A:LEU:HB2	4	0.32
(1,80)	1:112:A:ALA:HB2	1:115:A:LEU:HB2	4	0.32
(1,80)	1:112:A:ALA:HB3	1:115:A:LEU:HB2	4	0.32
(1,80)	1:112:A:ALA:HB1	1:115:A:LEU:HB2	10	0.32
(1,80)	1:112:A:ALA:HB2	1:115:A:LEU:HB2	10	0.32
(1,80)	1:112:A:ALA:HB3	1:115:A:LEU:HB2	10	0.32
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	20	0.32
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	20	0.32
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	20	0.32
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	6	0.32
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	18	0.32
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	1	0.32
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	16	0.32
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	10	0.31
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	10	0.31
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	10	0.31
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	10	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	10	0.31
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	10	0.31
(1,1773)	1:192:A:VAL:HG11	1:193:A:ARG:H	11	0.31
(1,1773)	1:192:A:VAL:HG12	1:193:A:ARG:H	11	0.31
(1,1773)	1:192:A:VAL:HG13	1:193:A:ARG:H	11	0.31
(1,1773)	1:192:A:VAL:HG21	1:193:A:ARG:H	11	0.31
(1,1773)	1:192:A:VAL:HG22	1:193:A:ARG:H	11	0.31
(1,1773)	1:192:A:VAL:HG23	1:193:A:ARG:H	11	0.31
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG11	17	0.31
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG12	17	0.31
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG13	17	0.31
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG21	17	0.31
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG22	17	0.31
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG23	17	0.31
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	3	0.31
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	3	0.31
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	3	0.31
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	3	0.31
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	3	0.31
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	3	0.31
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	2	0.31
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	2	0.31
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	2	0.31
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	2	0.31
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	2	0.31
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	2	0.31
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	20	0.31
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	20	0.31
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	20	0.31
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	20	0.31
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	20	0.31
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	20	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD11	4	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD12	4	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD13	4	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD21	4	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD22	4	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD23	4	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD11	7	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD12	7	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD13	7	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD21	7	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD22	7	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD23	7	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD11	12	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD12	12	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD13	12	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD21	12	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD22	12	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD23	12	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD11	20	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD12	20	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD13	20	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD21	20	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD22	20	0.31
(1,1749)	1:185:A:LEU:HA	1:185:A:LEU:HD23	20	0.31
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB2	3	0.31
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB3	3	0.31
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB2	3	0.31
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB3	3	0.31
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	20	0.31
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	20	0.31
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	5	0.31
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	5	0.31
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	6	0.31
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	6	0.31
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	12	0.31
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	12	0.31
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	12	0.31
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	12	0.31
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	12	0.31
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	12	0.31
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	12	0.31
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	12	0.31
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	12	0.31
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	12	0.31
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	12	0.31
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	12	0.31
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	12	0.31
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	12	0.31
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	12	0.31
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	12	0.31
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	12	0.31
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	12	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	19	0.31
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	19	0.31
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	19	0.31
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	19	0.31
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	19	0.31
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	19	0.31
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	19	0.31
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	19	0.31
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	19	0.31
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	19	0.31
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	19	0.31
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	19	0.31
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	19	0.31
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	19	0.31
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	19	0.31
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	19	0.31
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	19	0.31
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	19	0.31
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	2	0.31
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	2	0.31
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	6	0.31
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	6	0.31
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	19	0.31
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	19	0.31
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	16	0.31
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	16	0.31
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	16	0.31
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	16	0.31
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	16	0.31
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	16	0.31
(1,1583)	1:123:A:ILE:HG12	1:157:A:VAL:HA	15	0.31
(1,1583)	1:123:A:ILE:HG13	1:157:A:VAL:HA	15	0.31
(1,1583)	1:123:A:ILE:HG12	1:157:A:VAL:HA	18	0.31
(1,1583)	1:123:A:ILE:HG13	1:157:A:VAL:HA	18	0.31
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG2	3	0.31
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG3	3	0.31
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	9	0.31
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	9	0.31
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	9	0.31
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	9	0.31
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	9	0.31
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	9	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:115:A:LEU:HD11	1:161:A:SER:HA	17	0.31
(1,1537)	1:115:A:LEU:HD12	1:161:A:SER:HA	17	0.31
(1,1537)	1:115:A:LEU:HD13	1:161:A:SER:HA	17	0.31
(1,1537)	1:115:A:LEU:HD21	1:161:A:SER:HA	17	0.31
(1,1537)	1:115:A:LEU:HD22	1:161:A:SER:HA	17	0.31
(1,1537)	1:115:A:LEU:HD23	1:161:A:SER:HA	17	0.31
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	7	0.31
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	7	0.31
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	20	0.31
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	20	0.31
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	12	0.31
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	12	0.31
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	19	0.31
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	19	0.31
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	19	0.31
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	19	0.31
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	19	0.31
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	19	0.31
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	12	0.31
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	12	0.31
(1,1442)	1:100:A:ARG:HD2	1:156:A:ILE:H	7	0.31
(1,1442)	1:100:A:ARG:HD3	1:156:A:ILE:H	7	0.31
(1,1441)	1:100:A:ARG:HD2	1:101:A:ASP:H	3	0.31
(1,1441)	1:100:A:ARG:HD3	1:101:A:ASP:H	3	0.31
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD2	14	0.31
(1,1430)	1:100:A:ARG:H	1:100:A:ARG:HD3	14	0.31
(1,1424)	1:98:A:MET:HG2	1:100:A:ARG:H	6	0.31
(1,1424)	1:98:A:MET:HG3	1:100:A:ARG:H	6	0.31
(1,1423)	1:98:A:MET:HB2	1:99:A:SER:H	1	0.31
(1,1423)	1:98:A:MET:HB3	1:99:A:SER:H	1	0.31
(1,1405)	1:95:A:LEU:HD11	1:99:A:SER:H	9	0.31
(1,1405)	1:95:A:LEU:HD12	1:99:A:SER:H	9	0.31
(1,1405)	1:95:A:LEU:HD13	1:99:A:SER:H	9	0.31
(1,1405)	1:95:A:LEU:HD21	1:99:A:SER:H	9	0.31
(1,1405)	1:95:A:LEU:HD22	1:99:A:SER:H	9	0.31
(1,1405)	1:95:A:LEU:HD23	1:99:A:SER:H	9	0.31
(1,1355)	1:88:A:ARG:HB2	1:89:A:TYR:HA	17	0.31
(1,1355)	1:88:A:ARG:HB3	1:89:A:TYR:HA	17	0.31
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	11	0.31
(1,1338)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	11	0.31
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	11	0.31
(1,1338)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	11	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	11	0.31
(1,1338)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	11	0.31
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	10	0.31
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	10	0.31
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	10	0.31
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	3	0.31
(1,1255)	1:172:A:GLU:H	1:174:A:VAL:H	15	0.31
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	13	0.31
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	6	0.31
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	6	0.31
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	14	0.31
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	14	0.31
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	5	0.31
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	2	0.31
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	2	0.31
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	3	0.31
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	13	0.31
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	14	0.31
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	20	0.31
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	11	0.31
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	20	0.31
(1,1182)	1:136:A:VAL:HB	1:137:A:ILE:H	9	0.31
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	5	0.31
(1,1160)	1:131:A:LYS:H	1:147:A:LEU:HG	16	0.31
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	9	0.31
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	12	0.31
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	3	0.31
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	3	0.31
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	3	0.31
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	6	0.31
(1,1104)	1:108:A:LYS:H	1:121:A:GLN:H	9	0.31
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	18	0.31
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	1	0.31
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	6	0.31
(1,1079)	1:94:A:THR:HG21	1:96:A:GLU:H	14	0.31
(1,1079)	1:94:A:THR:HG22	1:96:A:GLU:H	14	0.31
(1,1079)	1:94:A:THR:HG23	1:96:A:GLU:H	14	0.31
(1,1047)	1:125:A:ASP:H	1:126:A:LYS:HA	9	0.31
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	8	0.31
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	11	0.31
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	13	0.31
(1,1011)	1:201:A:PHE:H	1:203:A:TRP:H	14	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	8	0.31
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	8	0.31
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	8	0.31
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	9	0.31
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	5	0.31
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	3	0.31
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	17	0.31
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	18	0.31
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	7	0.31
(1,918)	1:185:A:LEU:HB3	1:186:A:GLU:H	9	0.31
(1,918)	1:185:A:LEU:HB3	1:186:A:GLU:H	20	0.31
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	12	0.31
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	5	0.31
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	18	0.31
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG21	17	0.31
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG22	17	0.31
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG23	17	0.31
(1,819)	1:160:A:ILE:HB	1:161:A:SER:H	13	0.31
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	3	0.31
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	12	0.31
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	12	0.31
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	12	0.31
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	2	0.31
(1,687)	1:135:A:SER:H	1:145:A:ILE:HA	17	0.31
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	4	0.31
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	17	0.31
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	19	0.31
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	7	0.31
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	13	0.31
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	14	0.31
(1,642)	1:127:A:ASN:H	1:191:A:THR:HB	9	0.31
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	18	0.31
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	15	0.31
(1,620)	1:124:A:MET:HB3	1:125:A:ASP:H	19	0.31
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	13	0.31
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	5	0.31
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	15	0.31
(1,567)	1:118:A:ARG:HB3	1:119:A:MET:H	4	0.31
(1,553)	1:115:A:LEU:H	1:115:A:LEU:HG	9	0.31
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	18	0.31
(1,525)	1:104:A:MET:HA	1:106:A:MET:H	6	0.31
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	11	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	16	0.31
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	4	0.31
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	20	0.31
(1,465)	1:92:A:ASP:H	1:93:A:MET:HB3	2	0.31
(1,380)	1:193:A:ARG:HD2	1:194:A:VAL:H	8	0.31
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	18	0.31
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	18	0.31
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	7	0.31
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	7	0.31
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	7	0.31
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	7	0.31
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	6	0.31
(1,336)	1:182:A:ILE:HA	1:185:A:LEU:HG	16	0.31
(1,333)	1:181:A:LEU:HG	1:182:A:ILE:HA	5	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	1	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	1	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	1	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	6	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	6	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	6	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	11	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	11	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	11	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	13	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	13	0.31
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	13	0.31
(1,266)	1:128:A:ILE:HG21	1:157:A:VAL:H	3	0.31
(1,266)	1:128:A:ILE:HG22	1:157:A:VAL:H	3	0.31
(1,266)	1:128:A:ILE:HG23	1:157:A:VAL:H	3	0.31
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	13	0.31
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	13	0.31
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	13	0.31
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	11	0.31
(1,189)	1:87:A:SER:HA	1:137:A:ILE:HG12	15	0.31
(1,189)	1:87:A:SER:HA	1:137:A:ILE:HG13	15	0.31
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	6	0.31
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	6	0.31
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	1	0.31
(1,80)	1:112:A:ALA:HB1	1:115:A:LEU:HB2	1	0.31
(1,80)	1:112:A:ALA:HB2	1:115:A:LEU:HB2	1	0.31
(1,80)	1:112:A:ALA:HB3	1:115:A:LEU:HB2	1	0.31
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	5	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	5	0.31
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	5	0.31
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	16	0.31
(1,1781)	1:194:A:VAL:HG11	1:203:A:TRP:H	2	0.3
(1,1781)	1:194:A:VAL:HG12	1:203:A:TRP:H	2	0.3
(1,1781)	1:194:A:VAL:HG13	1:203:A:TRP:H	2	0.3
(1,1781)	1:194:A:VAL:HG21	1:203:A:TRP:H	2	0.3
(1,1781)	1:194:A:VAL:HG22	1:203:A:TRP:H	2	0.3
(1,1781)	1:194:A:VAL:HG23	1:203:A:TRP:H	2	0.3
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG11	12	0.3
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG12	12	0.3
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG13	12	0.3
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG21	12	0.3
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG22	12	0.3
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG23	12	0.3
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG21	16	0.3
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG22	16	0.3
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG23	16	0.3
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG21	16	0.3
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG22	16	0.3
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG23	16	0.3
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	6	0.3
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	6	0.3
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	8	0.3
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	8	0.3
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	2	0.3
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	2	0.3
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	2	0.3
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	2	0.3
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	2	0.3
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	2	0.3
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG2	6	0.3
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG3	6	0.3
(1,1636)	1:130:A:LEU:HD11	1:194:A:VAL:HA	2	0.3
(1,1636)	1:130:A:LEU:HD12	1:194:A:VAL:HA	2	0.3
(1,1636)	1:130:A:LEU:HD13	1:194:A:VAL:HA	2	0.3
(1,1636)	1:130:A:LEU:HD21	1:194:A:VAL:HA	2	0.3
(1,1636)	1:130:A:LEU:HD22	1:194:A:VAL:HA	2	0.3
(1,1636)	1:130:A:LEU:HD23	1:194:A:VAL:HA	2	0.3
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	11	0.3
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	11	0.3
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	18	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	18	0.3
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	16	0.3
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	16	0.3
(1,1487)	1:108:A:LYS:HB2	1:121:A:GLN:H	20	0.3
(1,1487)	1:108:A:LYS:HB3	1:121:A:GLN:H	20	0.3
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG2	7	0.3
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG3	7	0.3
(1,1475)	1:106:A:MET:HB2	1:121:A:GLN:HB3	1	0.3
(1,1475)	1:106:A:MET:HB3	1:121:A:GLN:HB3	1	0.3
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	16	0.3
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	16	0.3
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	16	0.3
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	16	0.3
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	16	0.3
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	16	0.3
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	16	0.3
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	16	0.3
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	10	0.3
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	10	0.3
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	7	0.3
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	7	0.3
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	7	0.3
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	7	0.3
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	16	0.3
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	16	0.3
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	16	0.3
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	16	0.3
(1,1424)	1:98:A:MET:HG2	1:100:A:ARG:H	19	0.3
(1,1424)	1:98:A:MET:HG3	1:100:A:ARG:H	19	0.3
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG2	12	0.3
(1,1385)	1:93:A:MET:HA	1:97:A:GLU:HG3	12	0.3
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	12	0.3
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	12	0.3
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	12	0.3
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	12	0.3
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	12	0.3
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	12	0.3
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG11	5	0.3
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG12	5	0.3
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG13	5	0.3
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG21	5	0.3
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG22	5	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG23	5	0.3
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG11	5	0.3
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG12	5	0.3
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG13	5	0.3
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG21	5	0.3
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG22	5	0.3
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG23	5	0.3
(1,1355)	1:88:A:ARG:HB2	1:89:A:TYR:HA	8	0.3
(1,1355)	1:88:A:ARG:HB3	1:89:A:TYR:HA	8	0.3
(1,1355)	1:88:A:ARG:HB2	1:89:A:TYR:HA	20	0.3
(1,1355)	1:88:A:ARG:HB3	1:89:A:TYR:HA	20	0.3
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB1	10	0.3
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB2	10	0.3
(1,1316)	1:199:A:GLN:H	1:202:A:ALA:HB3	10	0.3
(1,1301)	1:193:A:ARG:HB2	1:194:A:VAL:H	11	0.3
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	20	0.3
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	9	0.3
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	18	0.3
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	6	0.3
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	6	0.3
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	10	0.3
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	10	0.3
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	9	0.3
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	1	0.3
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	9	0.3
(1,1208)	1:128:A:ILE:HG21	1:151:A:THR:H	3	0.3
(1,1208)	1:128:A:ILE:HG22	1:151:A:THR:H	3	0.3
(1,1208)	1:128:A:ILE:HG23	1:151:A:THR:H	3	0.3
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD21	3	0.3
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD22	3	0.3
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD23	3	0.3
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	19	0.3
(1,1196)	1:132:A:ALA:HA	1:148:A:ARG:H	5	0.3
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	17	0.3
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	17	0.3
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	17	0.3
(1,1179)	1:90:A:LEU:H	1:136:A:VAL:H	18	0.3
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	1	0.3
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	9	0.3
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	11	0.3
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	15	0.3
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	16	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	6	0.3
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	6	0.3
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	6	0.3
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	17	0.3
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	17	0.3
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	17	0.3
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	11	0.3
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	18	0.3
(1,1124)	1:112:A:ALA:HB1	1:117:A:ILE:H	6	0.3
(1,1124)	1:112:A:ALA:HB2	1:117:A:ILE:H	6	0.3
(1,1124)	1:112:A:ALA:HB3	1:117:A:ILE:H	6	0.3
(1,1110)	1:110:A:LYS:H	1:110:A:LYS:HB3	6	0.3
(1,1101)	1:107:A:PRO:HB2	1:108:A:LYS:H	17	0.3
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	8	0.3
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	8	0.3
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	8	0.3
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	11	0.3
(1,1046)	1:105:A:LEU:HB2	1:123:A:ILE:H	9	0.3
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	2	0.3
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	3	0.3
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	5	0.3
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	9	0.3
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	15	0.3
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	17	0.3
(1,1031)	1:147:A:LEU:HG	1:160:A:ILE:HB	9	0.3
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	3	0.3
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	3	0.3
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	3	0.3
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	10	0.3
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	3	0.3
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	6	0.3
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	11	0.3
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	13	0.3
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	14	0.3
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	17	0.3
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	9	0.3
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	1	0.3
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	10	0.3
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	9	0.3
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	17	0.3
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	10	0.3
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	15	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:187:A:ARG:HD2	1:188:A:ASN:H	8	0.3
(1,933)	1:187:A:ARG:HD3	1:188:A:ASN:H	8	0.3
(1,878)	1:179:A:GLY:H	1:203:A:TRP:HE3	1	0.3
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	20	0.3
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	10	0.3
(1,771)	1:150:A:PHE:HB3	1:155:A:ALA:H	16	0.3
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	9	0.3
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	9	0.3
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	19	0.3
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	9	0.3
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	9	0.3
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	18	0.3
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	14	0.3
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	13	0.3
(1,663)	1:130:A:LEU:H	1:195:A:SER:H	12	0.3
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	4	0.3
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	7	0.3
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	13	0.3
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	9	0.3
(1,652)	1:128:A:ILE:H	1:192:A:VAL:HA	18	0.3
(1,642)	1:127:A:ASN:H	1:191:A:THR:HB	1	0.3
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	1	0.3
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	4	0.3
(1,633)	1:127:A:ASN:H	1:127:A:ASN:HD21	9	0.3
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	5	0.3
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	2	0.3
(1,590)	1:121:A:GLN:H	1:121:A:GLN:HG3	1	0.3
(1,590)	1:121:A:GLN:H	1:121:A:GLN:HG3	18	0.3
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	20	0.3
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	11	0.3
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	7	0.3
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	16	0.3
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	7	0.3
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	8	0.3
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	13	0.3
(1,465)	1:92:A:ASP:H	1:93:A:MET:HB3	20	0.3
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	19	0.3
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	20	0.3
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	15	0.3
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	15	0.3
(1,414)	1:182:A:ILE:HD11	1:203:A:TRP:HH2	9	0.3
(1,414)	1:182:A:ILE:HD12	1:203:A:TRP:HH2	9	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,414)	1:182:A:ILE:HD13	1:203:A:TRP:HH2	9	0.3
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB1	4	0.3
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB2	4	0.3
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB3	4	0.3
(1,376)	1:193:A:ARG:H	1:193:A:ARG:HG3	3	0.3
(1,344)	1:181:A:LEU:HG	1:185:A:LEU:H	15	0.3
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	6	0.3
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	12	0.3
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	12	0.3
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	12	0.3
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	6	0.3
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	6	0.3
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	6	0.3
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	9	0.3
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	9	0.3
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	9	0.3
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	12	0.3
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG21	15	0.3
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG22	15	0.3
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG23	15	0.3
(1,176)	1:136:A:VAL:HG21	1:137:A:ILE:H	16	0.3
(1,176)	1:136:A:VAL:HG22	1:137:A:ILE:H	16	0.3
(1,176)	1:136:A:VAL:HG23	1:137:A:ILE:H	16	0.3
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG21	17	0.3
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG22	17	0.3
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG23	17	0.3
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG21	17	0.3
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG22	17	0.3
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG23	17	0.3
(1,158)	1:91:A:THR:HB	1:133:A:ASN:HA	14	0.3
(1,158)	1:91:A:THR:HB	1:133:A:ASN:HA	17	0.3
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG21	5	0.3
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG22	5	0.3
(1,126)	1:128:A:ILE:H	1:128:A:ILE:HG23	5	0.3
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	10	0.3
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	10	0.3
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	10	0.3
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	15	0.3
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD11	19	0.3
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD12	19	0.3
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD13	19	0.3
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	13	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	13	0.3
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	13	0.3
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	8	0.3
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	8	0.3
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	8	0.3
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	12	0.29
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	12	0.29
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	12	0.29
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	12	0.29
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	12	0.29
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	12	0.29
(1,1636)	1:130:A:LEU:HD11	1:194:A:VAL:HA	14	0.29
(1,1636)	1:130:A:LEU:HD12	1:194:A:VAL:HA	14	0.29
(1,1636)	1:130:A:LEU:HD13	1:194:A:VAL:HA	14	0.29
(1,1636)	1:130:A:LEU:HD21	1:194:A:VAL:HA	14	0.29
(1,1636)	1:130:A:LEU:HD22	1:194:A:VAL:HA	14	0.29
(1,1636)	1:130:A:LEU:HD23	1:194:A:VAL:HA	14	0.29
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB2	2	0.29
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB3	2	0.29
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	14	0.29
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	14	0.29
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	14	0.29
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	14	0.29
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	14	0.29
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	14	0.29
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	14	0.29
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	14	0.29
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	14	0.29
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	14	0.29
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	14	0.29
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	14	0.29
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG12	16	0.29
(1,1608)	1:128:A:ILE:H	1:128:A:ILE:HG13	16	0.29
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	8	0.29
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	8	0.29
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	16	0.29
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	16	0.29
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	16	0.29
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	16	0.29
(1,1530)	1:112:A:ALA:HA	1:176:A:ASN:HB2	4	0.29
(1,1530)	1:112:A:ALA:HA	1:176:A:ASN:HB3	4	0.29
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	5	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	5	0.29
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	5	0.29
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	5	0.29
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	5	0.29
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	5	0.29
(1,1526)	1:111:A:VAL:HG11	1:115:A:LEU:H	15	0.29
(1,1526)	1:111:A:VAL:HG12	1:115:A:LEU:H	15	0.29
(1,1526)	1:111:A:VAL:HG13	1:115:A:LEU:H	15	0.29
(1,1526)	1:111:A:VAL:HG21	1:115:A:LEU:H	15	0.29
(1,1526)	1:111:A:VAL:HG22	1:115:A:LEU:H	15	0.29
(1,1526)	1:111:A:VAL:HG23	1:115:A:LEU:H	15	0.29
(1,1460)	1:104:A:MET:HG2	1:105:A:LEU:H	5	0.29
(1,1460)	1:104:A:MET:HG3	1:105:A:LEU:H	5	0.29
(1,1438)	1:100:A:ARG:HG2	1:101:A:ASP:H	14	0.29
(1,1438)	1:100:A:ARG:HG3	1:101:A:ASP:H	14	0.29
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	15	0.29
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	15	0.29
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG2	18	0.29
(1,1392)	1:94:A:THR:H	1:98:A:MET:HG3	18	0.29
(1,1377)	1:90:A:LEU:HD11	1:198:A:LEU:H	14	0.29
(1,1377)	1:90:A:LEU:HD12	1:198:A:LEU:H	14	0.29
(1,1377)	1:90:A:LEU:HD13	1:198:A:LEU:H	14	0.29
(1,1377)	1:90:A:LEU:HD21	1:198:A:LEU:H	14	0.29
(1,1377)	1:90:A:LEU:HD22	1:198:A:LEU:H	14	0.29
(1,1377)	1:90:A:LEU:HD23	1:198:A:LEU:H	14	0.29
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	10	0.29
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	10	0.29
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	10	0.29
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	10	0.29
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	10	0.29
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	10	0.29
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	11	0.29
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	11	0.29
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	11	0.29
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	11	0.29
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	11	0.29
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	11	0.29
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG11	7	0.29
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG12	7	0.29
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG13	7	0.29
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG21	7	0.29
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG22	7	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG23	7	0.29
(1,1361)	1:88:A:ARG:HD2	1:89:A:TYR:H	12	0.29
(1,1361)	1:88:A:ARG:HD3	1:89:A:TYR:H	12	0.29
(1,1355)	1:88:A:ARG:HB2	1:89:A:TYR:HA	2	0.29
(1,1355)	1:88:A:ARG:HB3	1:89:A:TYR:HA	2	0.29
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD1	16	0.29
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD2	16	0.29
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD1	16	0.29
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD2	16	0.29
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD1	16	0.29
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD2	16	0.29
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	13	0.29
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	11	0.29
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	11	0.29
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	11	0.29
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	17	0.29
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	14	0.29
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	10	0.29
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	10	0.29
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	17	0.29
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	11	0.29
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	3	0.29
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	16	0.29
(1,1160)	1:131:A:LYS:H	1:147:A:LEU:HG	13	0.29
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	7	0.29
(1,1147)	1:126:A:LYS:H	1:127:A:ASN:H	19	0.29
(1,1146)	1:125:A:ASP:HB2	1:126:A:LYS:H	8	0.29
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	7	0.29
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	7	0.29
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	7	0.29
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	11	0.29
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	11	0.29
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	11	0.29
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	11	0.29
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	20	0.29
(1,1079)	1:94:A:THR:HG21	1:96:A:GLU:H	13	0.29
(1,1079)	1:94:A:THR:HG22	1:96:A:GLU:H	13	0.29
(1,1079)	1:94:A:THR:HG23	1:96:A:GLU:H	13	0.29
(1,1067)	1:90:A:LEU:HD11	1:91:A:THR:H	16	0.29
(1,1067)	1:90:A:LEU:HD12	1:91:A:THR:H	16	0.29
(1,1067)	1:90:A:LEU:HD13	1:91:A:THR:H	16	0.29
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	7	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	13	0.29
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	19	0.29
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	8	0.29
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	8	0.29
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	8	0.29
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	9	0.29
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	9	0.29
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	9	0.29
(1,1026)	1:112:A:ALA:HB1	1:117:A:ILE:HG12	15	0.29
(1,1026)	1:112:A:ALA:HB2	1:117:A:ILE:HG12	15	0.29
(1,1026)	1:112:A:ALA:HB3	1:117:A:ILE:HG12	15	0.29
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	12	0.29
(1,1006)	1:178:A:VAL:HG21	1:202:A:ALA:H	18	0.29
(1,1006)	1:178:A:VAL:HG22	1:202:A:ALA:H	18	0.29
(1,1006)	1:178:A:VAL:HG23	1:202:A:ALA:H	18	0.29
(1,1006)	1:178:A:VAL:HG21	1:202:A:ALA:H	20	0.29
(1,1006)	1:178:A:VAL:HG22	1:202:A:ALA:H	20	0.29
(1,1006)	1:178:A:VAL:HG23	1:202:A:ALA:H	20	0.29
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	10	0.29
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	12	0.29
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	7	0.29
(1,950)	1:189:A:ASP:HB2	1:190:A:ASN:H	9	0.29
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	8	0.29
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	12	0.29
(1,918)	1:185:A:LEU:HB3	1:186:A:GLU:H	7	0.29
(1,877)	1:179:A:GLY:H	1:182:A:ILE:HD11	8	0.29
(1,877)	1:179:A:GLY:H	1:182:A:ILE:HD12	8	0.29
(1,877)	1:179:A:GLY:H	1:182:A:ILE:HD13	8	0.29
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	13	0.29
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	13	0.29
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	13	0.29
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	3	0.29
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	6	0.29
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG21	6	0.29
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG22	6	0.29
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG23	6	0.29
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG21	19	0.29
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG22	19	0.29
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG23	19	0.29
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	5	0.29
(1,813)	1:116:A:CYS:HB3	1:161:A:SER:H	19	0.29
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	2	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	2	0.29
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	2	0.29
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	8	0.29
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	8	0.29
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	8	0.29
(1,763)	1:150:A:PHE:HA	1:154:A:GLY:H	16	0.29
(1,758)	1:152:A:GLU:H	1:152:A:GLU:HG2	19	0.29
(1,758)	1:152:A:GLU:H	1:152:A:GLU:HG2	20	0.29
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	7	0.29
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	7	0.29
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	2	0.29
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	3	0.29
(1,700)	1:87:A:SER:HA	1:138:A:PHE:H	9	0.29
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	1	0.29
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	8	0.29
(1,648)	1:128:A:ILE:H	1:128:A:ILE:HG13	1	0.29
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	10	0.29
(1,624)	1:125:A:ASP:H	1:190:A:ASN:H	7	0.29
(1,624)	1:125:A:ASP:H	1:190:A:ASN:H	9	0.29
(1,620)	1:124:A:MET:HB3	1:125:A:ASP:H	10	0.29
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	12	0.29
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	12	0.29
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	12	0.29
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	3	0.29
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	13	0.29
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	16	0.29
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	9	0.29
(1,540)	1:109:A:GLN:HG2	1:111:A:VAL:H	9	0.29
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	15	0.29
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	12	0.29
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	15	0.29
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	18	0.29
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	4	0.29
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	20	0.29
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	2	0.29
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	5	0.29
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	1	0.29
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	1	0.29
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	1	0.29
(1,426)	1:115:A:LEU:HG	1:174:A:VAL:H	14	0.29
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	16	0.29
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	16	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:203:A:TRP:HA	1:203:A:TRP:HD1	2	0.29
(1,423)	1:203:A:TRP:HA	1:203:A:TRP:HD1	4	0.29
(1,423)	1:203:A:TRP:HA	1:203:A:TRP:HD1	20	0.29
(1,416)	1:182:A:ILE:HG21	1:203:A:TRP:HZ2	4	0.29
(1,416)	1:182:A:ILE:HG22	1:203:A:TRP:HZ2	4	0.29
(1,416)	1:182:A:ILE:HG23	1:203:A:TRP:HZ2	4	0.29
(1,414)	1:182:A:ILE:HD11	1:203:A:TRP:HH2	18	0.29
(1,414)	1:182:A:ILE:HD12	1:203:A:TRP:HH2	18	0.29
(1,414)	1:182:A:ILE:HD13	1:203:A:TRP:HH2	18	0.29
(1,392)	1:199:A:GLN:H	1:199:A:GLN:HG2	16	0.29
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	13	0.29
(1,350)	1:187:A:ARG:HB2	1:188:A:ASN:HA	12	0.29
(1,350)	1:187:A:ARG:HB3	1:188:A:ASN:HA	12	0.29
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	1	0.29
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	15	0.29
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	2	0.29
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	2	0.29
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	2	0.29
(1,314)	1:177:A:ALA:HB1	1:180:A:VAL:HB	17	0.29
(1,314)	1:177:A:ALA:HB2	1:180:A:VAL:HB	17	0.29
(1,314)	1:177:A:ALA:HB3	1:180:A:VAL:HB	17	0.29
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB1	3	0.29
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB2	3	0.29
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB3	3	0.29
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB1	4	0.29
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB2	4	0.29
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB3	4	0.29
(1,291)	1:115:A:LEU:HG	1:169:A:HIS:HE1	6	0.29
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	14	0.29
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	14	0.29
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	14	0.29
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	17	0.29
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	17	0.29
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	17	0.29
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	6	0.29
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	6	0.29
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	6	0.29
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	6	0.29
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	6	0.29
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	6	0.29
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	14	0.29
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	14	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	14	0.29
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE1	7	0.29
(1,192)	1:137:A:ILE:HD11	1:138:A:PHE:HE2	7	0.29
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE1	7	0.29
(1,192)	1:137:A:ILE:HD12	1:138:A:PHE:HE2	7	0.29
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE1	7	0.29
(1,192)	1:137:A:ILE:HD13	1:138:A:PHE:HE2	7	0.29
(1,150)	1:131:A:LYS:HA	1:147:A:LEU:HG	7	0.29
(1,139)	1:129:A:ILE:HA	1:193:A:ARG:HD3	11	0.29
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	16	0.29
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	5	0.29
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	5	0.29
(1,14)	1:146:A:LEU:HG	1:161:A:SER:HA	2	0.29
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	20	0.29
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	20	0.29
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	20	0.29
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	20	0.29
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	8	0.28
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	8	0.28
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	8	0.28
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	8	0.28
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	8	0.28
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	8	0.28
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	3	0.28
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	3	0.28
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	3	0.28
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	3	0.28
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	3	0.28
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	3	0.28
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	13	0.28
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	13	0.28
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	13	0.28
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	13	0.28
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	13	0.28
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	13	0.28
(1,1773)	1:192:A:VAL:HG11	1:193:A:ARG:H	8	0.28
(1,1773)	1:192:A:VAL:HG12	1:193:A:ARG:H	8	0.28
(1,1773)	1:192:A:VAL:HG13	1:193:A:ARG:H	8	0.28
(1,1773)	1:192:A:VAL:HG21	1:193:A:ARG:H	8	0.28
(1,1773)	1:192:A:VAL:HG22	1:193:A:ARG:H	8	0.28
(1,1773)	1:192:A:VAL:HG23	1:193:A:ARG:H	8	0.28
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	5	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	5	0.28
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	5	0.28
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	5	0.28
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	5	0.28
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	5	0.28
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	20	0.28
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	20	0.28
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	20	0.28
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	20	0.28
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	20	0.28
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	20	0.28
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	16	0.28
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	16	0.28
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	16	0.28
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	16	0.28
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	7	0.28
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	7	0.28
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	20	0.28
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	20	0.28
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	20	0.28
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	20	0.28
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	20	0.28
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	20	0.28
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	8	0.28
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	8	0.28
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	8	0.28
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	8	0.28
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	8	0.28
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	8	0.28
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	17	0.28
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	17	0.28
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	17	0.28
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	17	0.28
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	17	0.28
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	17	0.28
(1,1640)	1:131:A:LYS:HB2	1:150:A:PHE:H	2	0.28
(1,1640)	1:131:A:LYS:HB3	1:150:A:PHE:H	2	0.28
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	6	0.28
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	6	0.28
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	6	0.28
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	6	0.28
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	6	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	6	0.28
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	6	0.28
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	6	0.28
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	6	0.28
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	6	0.28
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	6	0.28
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	6	0.28
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	6	0.28
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	6	0.28
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	6	0.28
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	6	0.28
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	6	0.28
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	6	0.28
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB2	1	0.28
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB3	1	0.28
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	11	0.28
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	11	0.28
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	11	0.28
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	11	0.28
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	11	0.28
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	11	0.28
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	13	0.28
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	13	0.28
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	14	0.28
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	14	0.28
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	1	0.28
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	1	0.28
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	6	0.28
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	6	0.28
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	6	0.28
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	6	0.28
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	6	0.28
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	6	0.28
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	8	0.28
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	8	0.28
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	12	0.28
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	12	0.28
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	12	0.28
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	12	0.28
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	12	0.28
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	12	0.28
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	20	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	20	0.28
(1,1404)	1:95:A:LEU:HD11	1:98:A:MET:H	2	0.28
(1,1404)	1:95:A:LEU:HD12	1:98:A:MET:H	2	0.28
(1,1404)	1:95:A:LEU:HD13	1:98:A:MET:H	2	0.28
(1,1404)	1:95:A:LEU:HD21	1:98:A:MET:H	2	0.28
(1,1404)	1:95:A:LEU:HD22	1:98:A:MET:H	2	0.28
(1,1404)	1:95:A:LEU:HD23	1:98:A:MET:H	2	0.28
(1,1354)	1:88:A:ARG:HB2	1:89:A:TYR:H	20	0.28
(1,1354)	1:88:A:ARG:HB3	1:89:A:TYR:H	20	0.28
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	14	0.28
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	7	0.28
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	7	0.28
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	7	0.28
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	15	0.28
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	15	0.28
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	15	0.28
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG21	2	0.28
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG22	2	0.28
(1,1264)	1:176:A:ASN:H	1:178:A:VAL:HG23	2	0.28
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	8	0.28
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	8	0.28
(1,1236)	1:159:A:GLU:H	1:181:A:LEU:HD11	6	0.28
(1,1236)	1:159:A:GLU:H	1:181:A:LEU:HD12	6	0.28
(1,1236)	1:159:A:GLU:H	1:181:A:LEU:HD13	6	0.28
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	18	0.28
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	12	0.28
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	12	0.28
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	16	0.28
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	16	0.28
(1,1222)	1:155:A:ALA:H	1:157:A:VAL:HG11	4	0.28
(1,1222)	1:155:A:ALA:H	1:157:A:VAL:HG12	4	0.28
(1,1222)	1:155:A:ALA:H	1:157:A:VAL:HG13	4	0.28
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	14	0.28
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	3	0.28
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	3	0.28
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	3	0.28
(1,1181)	1:136:A:VAL:H	1:136:A:VAL:HG11	12	0.28
(1,1181)	1:136:A:VAL:H	1:136:A:VAL:HG12	12	0.28
(1,1181)	1:136:A:VAL:H	1:136:A:VAL:HG13	12	0.28
(1,1177)	1:135:A:SER:H	1:145:A:ILE:HB	7	0.28
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE1	7	0.28
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE2	7	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	20	0.28
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	8	0.28
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	3	0.28
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	7	0.28
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	11	0.28
(1,1083)	1:94:A:THR:H	1:98:A:MET:H	6	0.28
(1,1058)	1:178:A:VAL:HB	1:181:A:LEU:H	19	0.28
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	6	0.28
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	6	0.28
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	6	0.28
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	14	0.28
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	14	0.28
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	14	0.28
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	16	0.28
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	16	0.28
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	16	0.28
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	16	0.28
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	17	0.28
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	9	0.28
(1,956)	1:190:A:ASN:H	1:191:A:THR:H	15	0.28
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	8	0.28
(1,946)	1:185:A:LEU:HA	1:190:A:ASN:H	18	0.28
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	4	0.28
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	18	0.28
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	20	0.28
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	13	0.28
(1,918)	1:185:A:LEU:HB3	1:186:A:GLU:H	18	0.28
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	14	0.28
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	7	0.28
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	7	0.28
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	7	0.28
(1,826)	1:169:A:HIS:HB3	1:170:A:THR:H	3	0.28
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	6	0.28
(1,814)	1:117:A:ILE:HA	1:161:A:SER:H	5	0.28
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	9	0.28
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	9	0.28
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	9	0.28
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	15	0.28
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	15	0.28
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	15	0.28
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	13	0.28
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	13	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	13	0.28
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	16	0.28
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	16	0.28
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	16	0.28
(1,758)	1:152:A:GLU:H	1:152:A:GLU:HG2	15	0.28
(1,740)	1:129:A:ILE:HG13	1:150:A:PHE:H	14	0.28
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	19	0.28
(1,702)	1:138:A:PHE:H	1:140:A:ARG:H	6	0.28
(1,676)	1:91:A:THR:HG21	1:134:A:PHE:H	2	0.28
(1,676)	1:91:A:THR:HG22	1:134:A:PHE:H	2	0.28
(1,676)	1:91:A:THR:HG23	1:134:A:PHE:H	2	0.28
(1,667)	1:131:A:LYS:H	1:149:A:ALA:H	6	0.28
(1,664)	1:129:A:ILE:HG21	1:131:A:LYS:H	8	0.28
(1,664)	1:129:A:ILE:HG22	1:131:A:LYS:H	8	0.28
(1,664)	1:129:A:ILE:HG23	1:131:A:LYS:H	8	0.28
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	11	0.28
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	8	0.28
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	8	0.28
(1,651)	1:128:A:ILE:H	1:191:A:THR:HB	8	0.28
(1,642)	1:127:A:ASN:H	1:191:A:THR:HB	19	0.28
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	4	0.28
(1,584)	1:106:A:MET:HA	1:121:A:GLN:H	19	0.28
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	19	0.28
(1,571)	1:102:A:TRP:HH2	1:120:A:ASP:H	6	0.28
(1,564)	1:117:A:ILE:HG21	1:119:A:MET:H	4	0.28
(1,564)	1:117:A:ILE:HG22	1:119:A:MET:H	4	0.28
(1,564)	1:117:A:ILE:HG23	1:119:A:MET:H	4	0.28
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	3	0.28
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	8	0.28
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	17	0.28
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	17	0.28
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	17	0.28
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	15	0.28
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	2	0.28
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	9	0.28
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG21	5	0.28
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG22	5	0.28
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG23	5	0.28
(1,344)	1:181:A:LEU:HG	1:185:A:LEU:H	13	0.28
(1,337)	1:182:A:ILE:HA	1:192:A:VAL:HG11	9	0.28
(1,337)	1:182:A:ILE:HA	1:192:A:VAL:HG12	9	0.28
(1,337)	1:182:A:ILE:HA	1:192:A:VAL:HG13	9	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	7	0.28
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	7	0.28
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	7	0.28
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	6	0.28
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	6	0.28
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	6	0.28
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	3	0.28
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	3	0.28
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	3	0.28
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	3	0.28
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	3	0.28
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	3	0.28
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	5	0.28
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	5	0.28
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	5	0.28
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	5	0.28
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	5	0.28
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	5	0.28
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	1	0.28
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	1	0.28
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	1	0.28
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	10	0.28
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	10	0.28
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	10	0.28
(1,176)	1:136:A:VAL:HG21	1:137:A:ILE:H	15	0.28
(1,176)	1:136:A:VAL:HG22	1:137:A:ILE:H	15	0.28
(1,176)	1:136:A:VAL:HG23	1:137:A:ILE:H	15	0.28
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG21	6	0.28
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG22	6	0.28
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG23	6	0.28
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG21	6	0.28
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG22	6	0.28
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG23	6	0.28
(1,142)	1:129:A:ILE:HD11	1:193:A:ARG:HD2	5	0.28
(1,142)	1:129:A:ILE:HD12	1:193:A:ARG:HD2	5	0.28
(1,142)	1:129:A:ILE:HD13	1:193:A:ARG:HD2	5	0.28
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	6	0.28
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG21	15	0.28
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG22	15	0.28
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG23	15	0.28
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG21	15	0.28
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG22	15	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG23	15	0.28
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG21	15	0.28
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG22	15	0.28
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG23	15	0.28
(1,97)	1:118:A:ARG:H	1:118:A:ARG:HG3	5	0.28
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD11	18	0.28
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD12	18	0.28
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD13	18	0.28
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	17	0.28
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	17	0.28
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	17	0.28
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	2	0.28
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	2	0.28
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	6	0.28
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	6	0.28
(1,1790)	1:196:A:GLU:HA	1:196:A:GLU:HG2	8	0.27
(1,1790)	1:196:A:GLU:HA	1:196:A:GLU:HG3	8	0.27
(1,1790)	1:196:A:GLU:HA	1:196:A:GLU:HG2	17	0.27
(1,1790)	1:196:A:GLU:HA	1:196:A:GLU:HG3	17	0.27
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG21	7	0.27
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG22	7	0.27
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG23	7	0.27
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG21	7	0.27
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG22	7	0.27
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG23	7	0.27
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG2	20	0.27
(1,1785)	1:195:A:SER:HA	1:196:A:GLU:HG3	20	0.27
(1,1780)	1:194:A:VAL:HG11	1:202:A:ALA:HB1	12	0.27
(1,1780)	1:194:A:VAL:HG11	1:202:A:ALA:HB2	12	0.27
(1,1780)	1:194:A:VAL:HG11	1:202:A:ALA:HB3	12	0.27
(1,1780)	1:194:A:VAL:HG12	1:202:A:ALA:HB1	12	0.27
(1,1780)	1:194:A:VAL:HG12	1:202:A:ALA:HB2	12	0.27
(1,1780)	1:194:A:VAL:HG12	1:202:A:ALA:HB3	12	0.27
(1,1780)	1:194:A:VAL:HG13	1:202:A:ALA:HB1	12	0.27
(1,1780)	1:194:A:VAL:HG13	1:202:A:ALA:HB2	12	0.27
(1,1780)	1:194:A:VAL:HG13	1:202:A:ALA:HB3	12	0.27
(1,1780)	1:194:A:VAL:HG21	1:202:A:ALA:HB1	12	0.27
(1,1780)	1:194:A:VAL:HG21	1:202:A:ALA:HB2	12	0.27
(1,1780)	1:194:A:VAL:HG21	1:202:A:ALA:HB3	12	0.27
(1,1780)	1:194:A:VAL:HG22	1:202:A:ALA:HB1	12	0.27
(1,1780)	1:194:A:VAL:HG22	1:202:A:ALA:HB2	12	0.27
(1,1780)	1:194:A:VAL:HG22	1:202:A:ALA:HB3	12	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1780)	1:194:A:VAL:HG23	1:202:A:ALA:HB1	12	0.27
(1,1780)	1:194:A:VAL:HG23	1:202:A:ALA:HB2	12	0.27
(1,1780)	1:194:A:VAL:HG23	1:202:A:ALA:HB3	12	0.27
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	17	0.27
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	17	0.27
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	17	0.27
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	17	0.27
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	17	0.27
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	17	0.27
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	20	0.27
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	20	0.27
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	20	0.27
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	20	0.27
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	20	0.27
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	20	0.27
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG11	16	0.27
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG12	16	0.27
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG13	16	0.27
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG21	16	0.27
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG22	16	0.27
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG23	16	0.27
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG11	16	0.27
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG12	16	0.27
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG13	16	0.27
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG21	16	0.27
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG22	16	0.27
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG23	16	0.27
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG11	16	0.27
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG12	16	0.27
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG13	16	0.27
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG21	16	0.27
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG22	16	0.27
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG23	16	0.27
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	1	0.27
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	1	0.27
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	1	0.27
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	1	0.27
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	1	0.27
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	1	0.27
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG11	17	0.27
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG12	17	0.27
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG13	17	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG21	17	0.27
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG22	17	0.27
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG23	17	0.27
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG21	18	0.27
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG22	18	0.27
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG23	18	0.27
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG21	18	0.27
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG22	18	0.27
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG23	18	0.27
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	11	0.27
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	11	0.27
(1,1692)	1:162:A:PRO:HG2	1:163:A:LEU:H	16	0.27
(1,1692)	1:162:A:PRO:HG3	1:163:A:LEU:H	16	0.27
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	19	0.27
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	19	0.27
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG2	3	0.27
(1,1660)	1:146:A:LEU:HG	1:159:A:GLU:HG3	3	0.27
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	4	0.27
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	4	0.27
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	17	0.27
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	17	0.27
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	11	0.27
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	11	0.27
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	12	0.27
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	12	0.27
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	3	0.27
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	3	0.27
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	1	0.27
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	1	0.27
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	8	0.27
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	8	0.27
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	11	0.27
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	11	0.27
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	18	0.27
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	18	0.27
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	19	0.27
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	19	0.27
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	20	0.27
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	20	0.27
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	17	0.27
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	17	0.27
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	4	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	4	0.27
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	11	0.27
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	11	0.27
(1,1403)	1:95:A:LEU:HD11	1:97:A:GLU:H	17	0.27
(1,1403)	1:95:A:LEU:HD12	1:97:A:GLU:H	17	0.27
(1,1403)	1:95:A:LEU:HD13	1:97:A:GLU:H	17	0.27
(1,1403)	1:95:A:LEU:HD21	1:97:A:GLU:H	17	0.27
(1,1403)	1:95:A:LEU:HD22	1:97:A:GLU:H	17	0.27
(1,1403)	1:95:A:LEU:HD23	1:97:A:GLU:H	17	0.27
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	15	0.27
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	15	0.27
(1,1372)	1:90:A:LEU:HD11	1:136:A:VAL:H	9	0.27
(1,1372)	1:90:A:LEU:HD12	1:136:A:VAL:H	9	0.27
(1,1372)	1:90:A:LEU:HD13	1:136:A:VAL:H	9	0.27
(1,1372)	1:90:A:LEU:HD21	1:136:A:VAL:H	9	0.27
(1,1372)	1:90:A:LEU:HD22	1:136:A:VAL:H	9	0.27
(1,1372)	1:90:A:LEU:HD23	1:136:A:VAL:H	9	0.27
(1,1354)	1:88:A:ARG:HB2	1:89:A:TYR:H	8	0.27
(1,1354)	1:88:A:ARG:HB3	1:89:A:TYR:H	8	0.27
(1,1354)	1:88:A:ARG:HB2	1:89:A:TYR:H	16	0.27
(1,1354)	1:88:A:ARG:HB3	1:89:A:TYR:H	16	0.27
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	5	0.27
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	5	0.27
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	5	0.27
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	11	0.27
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	12	0.27
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	14	0.27
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	15	0.27
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	17	0.27
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	19	0.27
(1,1244)	1:165:A:SER:HA	1:166:A:LEU:H	16	0.27
(1,1243)	1:116:A:CYS:HB2	1:161:A:SER:H	16	0.27
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	17	0.27
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	17	0.27
(1,1222)	1:155:A:ALA:H	1:157:A:VAL:HG11	16	0.27
(1,1222)	1:155:A:ALA:H	1:157:A:VAL:HG12	16	0.27
(1,1222)	1:155:A:ALA:H	1:157:A:VAL:HG13	16	0.27
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	8	0.27
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	13	0.27
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	6	0.27
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	6	0.27
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	6	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	10	0.27
(1,1175)	1:135:A:SER:H	1:144:A:LEU:HA	13	0.27
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	1	0.27
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	4	0.27
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	9	0.27
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	13	0.27
(1,1124)	1:112:A:ALA:HB1	1:117:A:ILE:H	16	0.27
(1,1124)	1:112:A:ALA:HB2	1:117:A:ILE:H	16	0.27
(1,1124)	1:112:A:ALA:HB3	1:117:A:ILE:H	16	0.27
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	15	0.27
(1,1101)	1:107:A:PRO:HB2	1:108:A:LYS:H	20	0.27
(1,1095)	1:102:A:TRP:H	1:102:A:TRP:HE1	5	0.27
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	20	0.27
(1,1044)	1:136:A:VAL:HB	1:142:A:GLU:H	3	0.27
(1,1044)	1:136:A:VAL:HB	1:142:A:GLU:H	4	0.27
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	1	0.27
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	6	0.27
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG21	4	0.27
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG22	4	0.27
(1,1037)	1:155:A:ALA:HA	1:156:A:ILE:HG23	4	0.27
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	9	0.27
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	7	0.27
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	15	0.27
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	18	0.27
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	17	0.27
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	11	0.27
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	18	0.27
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	1	0.27
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	14	0.27
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	6	0.27
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	18	0.27
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	17	0.27
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	5	0.27
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	7	0.27
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	10	0.27
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	19	0.27
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	1	0.27
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	1	0.27
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	16	0.27
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	16	0.27
(1,778)	1:156:A:ILE:H	1:157:A:VAL:HA	18	0.27
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	4	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	4	0.27
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	4	0.27
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	13	0.27
(1,758)	1:152:A:GLU:H	1:152:A:GLU:HG2	17	0.27
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	6	0.27
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	6	0.27
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	11	0.27
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	11	0.27
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	10	0.27
(1,720)	1:147:A:LEU:H	1:147:A:LEU:HB3	3	0.27
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	8	0.27
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	1	0.27
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	8	0.27
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	20	0.27
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	17	0.27
(1,664)	1:129:A:ILE:HG21	1:131:A:LYS:H	3	0.27
(1,664)	1:129:A:ILE:HG22	1:131:A:LYS:H	3	0.27
(1,664)	1:129:A:ILE:HG23	1:131:A:LYS:H	3	0.27
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	10	0.27
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	10	0.27
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	9	0.27
(1,620)	1:124:A:MET:HB3	1:125:A:ASP:H	13	0.27
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	5	0.27
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	16	0.27
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	17	0.27
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	7	0.27
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	7	0.27
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	7	0.27
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	16	0.27
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	16	0.27
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	16	0.27
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	20	0.27
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	17	0.27
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	4	0.27
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD11	9	0.27
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD12	9	0.27
(1,494)	1:99:A:SER:H	1:156:A:ILE:HD13	9	0.27
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	2	0.27
(1,461)	1:91:A:THR:H	1:197:A:THR:HG21	16	0.27
(1,461)	1:91:A:THR:H	1:197:A:THR:HG22	16	0.27
(1,461)	1:91:A:THR:H	1:197:A:THR:HG23	16	0.27
(1,429)	1:137:A:ILE:H	1:142:A:GLU:HB2	13	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:137:A:ILE:H	1:142:A:GLU:HB3	13	0.27
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	14	0.27
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	14	0.27
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	14	0.27
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	2	0.27
(1,336)	1:182:A:ILE:HA	1:185:A:LEU:HG	6	0.27
(1,336)	1:182:A:ILE:HA	1:185:A:LEU:HG	13	0.27
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	19	0.27
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	10	0.27
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	10	0.27
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	10	0.27
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG21	5	0.27
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG22	5	0.27
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG23	5	0.27
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	13	0.27
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	13	0.27
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	13	0.27
(1,159)	1:91:A:THR:HB	1:133:A:ASN:HB2	14	0.27
(1,159)	1:91:A:THR:HB	1:133:A:ASN:HB2	15	0.27
(1,139)	1:129:A:ILE:HA	1:193:A:ARG:HD3	15	0.27
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD11	7	0.27
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD12	7	0.27
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD13	7	0.27
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	3	0.27
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	3	0.27
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	3	0.27
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	20	0.27
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	20	0.27
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	14	0.27
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	7	0.27
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	11	0.27
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	11	0.27
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	11	0.27
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	1	0.26
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	1	0.26
(1,1790)	1:196:A:GLU:HA	1:196:A:GLU:HG2	20	0.26
(1,1790)	1:196:A:GLU:HA	1:196:A:GLU:HG3	20	0.26
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG11	8	0.26
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG12	8	0.26
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG13	8	0.26
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG21	8	0.26
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG22	8	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG23	8	0.26
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG11	8	0.26
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG12	8	0.26
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG13	8	0.26
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG21	8	0.26
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG22	8	0.26
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG23	8	0.26
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG11	8	0.26
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG12	8	0.26
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG13	8	0.26
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG21	8	0.26
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG22	8	0.26
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG23	8	0.26
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	13	0.26
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	13	0.26
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	13	0.26
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	13	0.26
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	13	0.26
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	13	0.26
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	1	0.26
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	1	0.26
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	15	0.26
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	15	0.26
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	15	0.26
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	15	0.26
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	15	0.26
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	15	0.26
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	17	0.26
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	17	0.26
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	18	0.26
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	18	0.26
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	18	0.26
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	18	0.26
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	18	0.26
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	18	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD11	17	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD12	17	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD13	17	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD21	17	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD22	17	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD23	17	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD11	19	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD12	19	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD13	19	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD21	19	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD22	19	0.26
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD23	19	0.26
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG21	15	0.26
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG22	15	0.26
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG23	15	0.26
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG21	15	0.26
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG22	15	0.26
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG23	15	0.26
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	15	0.26
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	15	0.26
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	14	0.26
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	14	0.26
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG11	13	0.26
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG12	13	0.26
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG13	13	0.26
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG21	13	0.26
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG22	13	0.26
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG23	13	0.26
(1,1498)	1:108:A:LYS:HD2	1:121:A:GLN:HG2	4	0.26
(1,1498)	1:108:A:LYS:HD2	1:121:A:GLN:HG3	4	0.26
(1,1498)	1:108:A:LYS:HD3	1:121:A:GLN:HG2	4	0.26
(1,1498)	1:108:A:LYS:HD3	1:121:A:GLN:HG3	4	0.26
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	11	0.26
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	11	0.26
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	6	0.26
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	6	0.26
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG2	12	0.26
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG3	12	0.26
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	18	0.26
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	18	0.26
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	18	0.26
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	18	0.26
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	18	0.26
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	18	0.26
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	5	0.26
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	5	0.26
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	5	0.26
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	5	0.26
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	12	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	12	0.26
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	14	0.26
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	3	0.26
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	19	0.26
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	13	0.26
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	10	0.26
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	11	0.26
(1,1268)	1:175:A:LYS:H	1:178:A:VAL:H	5	0.26
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	13	0.26
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	16	0.26
(1,1244)	1:165:A:SER:HA	1:166:A:LEU:H	15	0.26
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	5	0.26
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	5	0.26
(1,1239)	1:148:A:ARG:HB2	1:160:A:ILE:H	13	0.26
(1,1239)	1:148:A:ARG:HB3	1:160:A:ILE:H	13	0.26
(1,1238)	1:146:A:LEU:HG	1:160:A:ILE:H	12	0.26
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	8	0.26
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	20	0.26
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	6	0.26
(1,1209)	1:150:A:PHE:HB2	1:151:A:THR:H	5	0.26
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD21	2	0.26
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD22	2	0.26
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD23	2	0.26
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD21	9	0.26
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD22	9	0.26
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD23	9	0.26
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	6	0.26
(1,1197)	1:132:A:ALA:HB1	1:148:A:ARG:H	8	0.26
(1,1197)	1:132:A:ALA:HB2	1:148:A:ARG:H	8	0.26
(1,1197)	1:132:A:ALA:HB3	1:148:A:ARG:H	8	0.26
(1,1196)	1:132:A:ALA:HA	1:148:A:ARG:H	13	0.26
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	12	0.26
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	17	0.26
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	16	0.26
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	16	0.26
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	16	0.26
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	20	0.26
(1,1128)	1:118:A:ARG:H	1:118:A:ARG:HB2	2	0.26
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	12	0.26
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	19	0.26
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	10	0.26
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	17	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	4	0.26
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	10	0.26
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	12	0.26
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	18	0.26
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	7	0.26
(1,975)	1:129:A:ILE:HA	1:193:A:ARG:H	7	0.26
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	7	0.26
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	3	0.26
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	7	0.26
(1,946)	1:185:A:LEU:HA	1:190:A:ASN:H	17	0.26
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	9	0.26
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	2	0.26
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	2	0.26
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	4	0.26
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	6	0.26
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	10	0.26
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	15	0.26
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	15	0.26
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	15	0.26
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	4	0.26
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	11	0.26
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	11	0.26
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	17	0.26
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	17	0.26
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	5	0.26
(1,789)	1:150:A:PHE:HA	1:158:A:GLY:H	4	0.26
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	7	0.26
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	7	0.26
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	7	0.26
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	11	0.26
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	11	0.26
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	11	0.26
(1,772)	1:151:A:THR:H	1:155:A:ALA:H	4	0.26
(1,765)	1:150:A:PHE:HD1	1:154:A:GLY:H	16	0.26
(1,765)	1:150:A:PHE:HD2	1:154:A:GLY:H	16	0.26
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	1	0.26
(1,754)	1:127:A:ASN:HB3	1:152:A:GLU:H	15	0.26
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	20	0.26
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	20	0.26
(1,695)	1:137:A:ILE:H	1:139:A:ASP:HA	18	0.26
(1,684)	1:89:A:TYR:HA	1:135:A:SER:H	12	0.26
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	3	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	16	0.26
(1,648)	1:128:A:ILE:H	1:128:A:ILE:HG13	8	0.26
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	6	0.26
(1,639)	1:127:A:ASN:H	1:152:A:GLU:HG3	4	0.26
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG21	7	0.26
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG22	7	0.26
(1,636)	1:127:A:ASN:H	1:151:A:THR:HG23	7	0.26
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	7	0.26
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	17	0.26
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	7	0.26
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	8	0.26
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	4	0.26
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	4	0.26
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	4	0.26
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	8	0.26
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	19	0.26
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	10	0.26
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	6	0.26
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	3	0.26
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	3	0.26
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	3	0.26
(1,540)	1:109:A:GLN:HG2	1:111:A:VAL:H	6	0.26
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	5	0.26
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	10	0.26
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	11	0.26
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	2	0.26
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	6	0.26
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	10	0.26
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	19	0.26
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	17	0.26
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	7	0.26
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	13	0.26
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD11	9	0.26
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD12	9	0.26
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD13	9	0.26
(1,415)	1:182:A:ILE:HD11	1:203:A:TRP:HZ2	13	0.26
(1,415)	1:182:A:ILE:HD12	1:203:A:TRP:HZ2	13	0.26
(1,415)	1:182:A:ILE:HD13	1:203:A:TRP:HZ2	13	0.26
(1,401)	1:178:A:VAL:HG11	1:203:A:TRP:HA	5	0.26
(1,401)	1:178:A:VAL:HG12	1:203:A:TRP:HA	5	0.26
(1,401)	1:178:A:VAL:HG13	1:203:A:TRP:HA	5	0.26
(1,392)	1:199:A:GLN:H	1:199:A:GLN:HG2	7	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	12	0.26
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	12	0.26
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	12	0.26
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	8	0.26
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	8	0.26
(1,344)	1:181:A:LEU:HG	1:185:A:LEU:H	14	0.26
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	11	0.26
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG21	2	0.26
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG22	2	0.26
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG23	2	0.26
(1,283)	1:160:A:ILE:H	1:160:A:ILE:HD11	13	0.26
(1,283)	1:160:A:ILE:H	1:160:A:ILE:HD12	13	0.26
(1,283)	1:160:A:ILE:H	1:160:A:ILE:HD13	13	0.26
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	5	0.26
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	5	0.26
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	5	0.26
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	18	0.26
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	18	0.26
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	18	0.26
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	2	0.26
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	2	0.26
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	2	0.26
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	13	0.26
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	13	0.26
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	13	0.26
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB2	16	0.26
(1,209)	1:132:A:ALA:HA	1:148:A:ARG:HB3	16	0.26
(1,201)	1:146:A:LEU:HA	1:146:A:LEU:HG	15	0.26
(1,167)	1:134:A:PHE:HB2	1:145:A:ILE:HD11	2	0.26
(1,167)	1:134:A:PHE:HB2	1:145:A:ILE:HD12	2	0.26
(1,167)	1:134:A:PHE:HB2	1:145:A:ILE:HD13	2	0.26
(1,167)	1:134:A:PHE:HB3	1:145:A:ILE:HD11	2	0.26
(1,167)	1:134:A:PHE:HB3	1:145:A:ILE:HD12	2	0.26
(1,167)	1:134:A:PHE:HB3	1:145:A:ILE:HD13	2	0.26
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	13	0.26
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	13	0.26
(1,158)	1:91:A:THR:HB	1:133:A:ASN:HA	2	0.26
(1,151)	1:92:A:ASP:HA	1:132:A:ALA:H	18	0.26
(1,139)	1:129:A:ILE:HA	1:193:A:ARG:HD3	19	0.26
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	4	0.26
(1,82)	1:115:A:LEU:HD11	1:162:A:PRO:HA	8	0.26
(1,82)	1:115:A:LEU:HD12	1:162:A:PRO:HA	8	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:115:A:LEU:HD13	1:162:A:PRO:HA	8	0.26
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	4	0.26
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	4	0.26
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	15	0.26
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	10	0.26
(1,17)	1:88:A:ARG:HG2	1:89:A:TYR:H	12	0.26
(1,14)	1:146:A:LEU:HG	1:161:A:SER:HA	9	0.26
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	15	0.26
(1,1811)	1:200:A:ARG:HB2	1:202:A:ALA:H	14	0.25
(1,1811)	1:200:A:ARG:HB3	1:202:A:ALA:H	14	0.25
(1,1781)	1:194:A:VAL:HG11	1:203:A:TRP:H	9	0.25
(1,1781)	1:194:A:VAL:HG12	1:203:A:TRP:H	9	0.25
(1,1781)	1:194:A:VAL:HG13	1:203:A:TRP:H	9	0.25
(1,1781)	1:194:A:VAL:HG21	1:203:A:TRP:H	9	0.25
(1,1781)	1:194:A:VAL:HG22	1:203:A:TRP:H	9	0.25
(1,1781)	1:194:A:VAL:HG23	1:203:A:TRP:H	9	0.25
(1,1780)	1:194:A:VAL:HG11	1:202:A:ALA:HB1	14	0.25
(1,1780)	1:194:A:VAL:HG11	1:202:A:ALA:HB2	14	0.25
(1,1780)	1:194:A:VAL:HG11	1:202:A:ALA:HB3	14	0.25
(1,1780)	1:194:A:VAL:HG12	1:202:A:ALA:HB1	14	0.25
(1,1780)	1:194:A:VAL:HG12	1:202:A:ALA:HB2	14	0.25
(1,1780)	1:194:A:VAL:HG12	1:202:A:ALA:HB3	14	0.25
(1,1780)	1:194:A:VAL:HG13	1:202:A:ALA:HB1	14	0.25
(1,1780)	1:194:A:VAL:HG13	1:202:A:ALA:HB2	14	0.25
(1,1780)	1:194:A:VAL:HG13	1:202:A:ALA:HB3	14	0.25
(1,1780)	1:194:A:VAL:HG21	1:202:A:ALA:HB1	14	0.25
(1,1780)	1:194:A:VAL:HG21	1:202:A:ALA:HB2	14	0.25
(1,1780)	1:194:A:VAL:HG21	1:202:A:ALA:HB3	14	0.25
(1,1780)	1:194:A:VAL:HG22	1:202:A:ALA:HB1	14	0.25
(1,1780)	1:194:A:VAL:HG22	1:202:A:ALA:HB2	14	0.25
(1,1780)	1:194:A:VAL:HG22	1:202:A:ALA:HB3	14	0.25
(1,1780)	1:194:A:VAL:HG23	1:202:A:ALA:HB1	14	0.25
(1,1780)	1:194:A:VAL:HG23	1:202:A:ALA:HB2	14	0.25
(1,1780)	1:194:A:VAL:HG23	1:202:A:ALA:HB3	14	0.25
(1,1773)	1:192:A:VAL:HG11	1:193:A:ARG:H	5	0.25
(1,1773)	1:192:A:VAL:HG12	1:193:A:ARG:H	5	0.25
(1,1773)	1:192:A:VAL:HG13	1:193:A:ARG:H	5	0.25
(1,1773)	1:192:A:VAL:HG21	1:193:A:ARG:H	5	0.25
(1,1773)	1:192:A:VAL:HG22	1:193:A:ARG:H	5	0.25
(1,1773)	1:192:A:VAL:HG23	1:193:A:ARG:H	5	0.25
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG11	13	0.25
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG12	13	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG13	13	0.25
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG21	13	0.25
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG22	13	0.25
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG23	13	0.25
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	10	0.25
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	10	0.25
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	10	0.25
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	10	0.25
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	10	0.25
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	10	0.25
(1,1726)	1:176:A:ASN:HB2	1:180:A:VAL:H	20	0.25
(1,1726)	1:176:A:ASN:HB3	1:180:A:VAL:H	20	0.25
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	7	0.25
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	7	0.25
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	19	0.25
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	19	0.25
(1,1692)	1:162:A:PRO:HG2	1:163:A:LEU:H	10	0.25
(1,1692)	1:162:A:PRO:HG3	1:163:A:LEU:H	10	0.25
(1,1649)	1:136:A:VAL:HG11	1:137:A:ILE:H	16	0.25
(1,1649)	1:136:A:VAL:HG12	1:137:A:ILE:H	16	0.25
(1,1649)	1:136:A:VAL:HG13	1:137:A:ILE:H	16	0.25
(1,1649)	1:136:A:VAL:HG21	1:137:A:ILE:H	16	0.25
(1,1649)	1:136:A:VAL:HG22	1:137:A:ILE:H	16	0.25
(1,1649)	1:136:A:VAL:HG23	1:137:A:ILE:H	16	0.25
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG11	3	0.25
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG12	3	0.25
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG13	3	0.25
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG21	3	0.25
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG22	3	0.25
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG23	3	0.25
(1,1629)	1:130:A:LEU:HD11	1:131:A:LYS:H	1	0.25
(1,1629)	1:130:A:LEU:HD12	1:131:A:LYS:H	1	0.25
(1,1629)	1:130:A:LEU:HD13	1:131:A:LYS:H	1	0.25
(1,1629)	1:130:A:LEU:HD21	1:131:A:LYS:H	1	0.25
(1,1629)	1:130:A:LEU:HD22	1:131:A:LYS:H	1	0.25
(1,1629)	1:130:A:LEU:HD23	1:131:A:LYS:H	1	0.25
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB2	17	0.25
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB3	17	0.25
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	16	0.25
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	16	0.25
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	16	0.25
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	16	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	16	0.25
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	16	0.25
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	10	0.25
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	10	0.25
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	5	0.25
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	5	0.25
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	5	0.25
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	5	0.25
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	5	0.25
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	5	0.25
(1,1596)	1:125:A:ASP:HA	1:189:A:ASP:HB2	15	0.25
(1,1596)	1:125:A:ASP:HA	1:189:A:ASP:HB3	15	0.25
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	10	0.25
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	10	0.25
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	19	0.25
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	19	0.25
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	7	0.25
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	7	0.25
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	17	0.25
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	17	0.25
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG21	13	0.25
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG22	13	0.25
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG23	13	0.25
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG21	13	0.25
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG22	13	0.25
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG23	13	0.25
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG2	7	0.25
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG3	7	0.25
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	8	0.25
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	8	0.25
(1,1535)	1:115:A:LEU:HD11	1:116:A:CYS:H	1	0.25
(1,1535)	1:115:A:LEU:HD12	1:116:A:CYS:H	1	0.25
(1,1535)	1:115:A:LEU:HD13	1:116:A:CYS:H	1	0.25
(1,1535)	1:115:A:LEU:HD21	1:116:A:CYS:H	1	0.25
(1,1535)	1:115:A:LEU:HD22	1:116:A:CYS:H	1	0.25
(1,1535)	1:115:A:LEU:HD23	1:116:A:CYS:H	1	0.25
(1,1519)	1:110:A:LYS:HD2	1:180:A:VAL:HG11	6	0.25
(1,1519)	1:110:A:LYS:HD2	1:180:A:VAL:HG12	6	0.25
(1,1519)	1:110:A:LYS:HD2	1:180:A:VAL:HG13	6	0.25
(1,1519)	1:110:A:LYS:HD2	1:180:A:VAL:HG21	6	0.25
(1,1519)	1:110:A:LYS:HD2	1:180:A:VAL:HG22	6	0.25
(1,1519)	1:110:A:LYS:HD2	1:180:A:VAL:HG23	6	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1519)	1:110:A:LYS:HD3	1:180:A:VAL:HG11	6	0.25
(1,1519)	1:110:A:LYS:HD3	1:180:A:VAL:HG12	6	0.25
(1,1519)	1:110:A:LYS:HD3	1:180:A:VAL:HG13	6	0.25
(1,1519)	1:110:A:LYS:HD3	1:180:A:VAL:HG21	6	0.25
(1,1519)	1:110:A:LYS:HD3	1:180:A:VAL:HG22	6	0.25
(1,1519)	1:110:A:LYS:HD3	1:180:A:VAL:HG23	6	0.25
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	9	0.25
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	9	0.25
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	5	0.25
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	5	0.25
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	5	0.25
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	5	0.25
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	5	0.25
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	5	0.25
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	5	0.25
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	5	0.25
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	12	0.25
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	12	0.25
(1,1441)	1:100:A:ARG:HD2	1:101:A:ASP:H	8	0.25
(1,1441)	1:100:A:ARG:HD3	1:101:A:ASP:H	8	0.25
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	18	0.25
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	18	0.25
(1,1434)	1:100:A:ARG:HB2	1:101:A:ASP:H	10	0.25
(1,1434)	1:100:A:ARG:HB3	1:101:A:ASP:H	10	0.25
(1,1421)	1:98:A:MET:H	1:99:A:SER:HB2	16	0.25
(1,1421)	1:98:A:MET:H	1:99:A:SER:HB3	16	0.25
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	2	0.25
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	2	0.25
(1,1354)	1:88:A:ARG:HB2	1:89:A:TYR:H	2	0.25
(1,1354)	1:88:A:ARG:HB3	1:89:A:TYR:H	2	0.25
(1,1345)	1:178:A:VAL:HG21	1:203:A:TRP:HH2	18	0.25
(1,1345)	1:178:A:VAL:HG22	1:203:A:TRP:HH2	18	0.25
(1,1345)	1:178:A:VAL:HG23	1:203:A:TRP:HH2	18	0.25
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	13	0.25
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	14	0.25
(1,1288)	1:189:A:ASP:H	1:190:A:ASN:HD22	8	0.25
(1,1278)	1:180:A:VAL:HA	1:183:A:GLY:H	4	0.25
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	15	0.25
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	16	0.25
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	3	0.25
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	3	0.25
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	5	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	11	0.25
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	17	0.25
(1,1173)	1:134:A:PHE:H	1:135:A:SER:HA	14	0.25
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	16	0.25
(1,1104)	1:108:A:LYS:H	1:121:A:GLN:H	19	0.25
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	18	0.25
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	18	0.25
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	18	0.25
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG21	6	0.25
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG22	6	0.25
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG23	6	0.25
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG21	9	0.25
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG22	9	0.25
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG23	9	0.25
(1,1092)	1:100:A:ARG:H	1:156:A:ILE:HD11	15	0.25
(1,1092)	1:100:A:ARG:H	1:156:A:ILE:HD12	15	0.25
(1,1092)	1:100:A:ARG:H	1:156:A:ILE:HD13	15	0.25
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	10	0.25
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD11	13	0.25
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD12	13	0.25
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD13	13	0.25
(1,1044)	1:136:A:VAL:HB	1:142:A:GLU:H	15	0.25
(1,1044)	1:136:A:VAL:HB	1:142:A:GLU:H	19	0.25
(1,1041)	1:192:A:VAL:HA	1:193:A:ARG:HA	14	0.25
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	20	0.25
(1,1011)	1:201:A:PHE:H	1:203:A:TRP:H	18	0.25
(1,982)	1:194:A:VAL:H	1:194:A:VAL:HB	18	0.25
(1,977)	1:193:A:ARG:H	1:193:A:ARG:HD2	14	0.25
(1,975)	1:129:A:ILE:HA	1:193:A:ARG:H	9	0.25
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	8	0.25
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	17	0.25
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	20	0.25
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	4	0.25
(1,950)	1:189:A:ASP:HB2	1:190:A:ASN:H	18	0.25
(1,948)	1:188:A:ASN:HB3	1:190:A:ASN:H	9	0.25
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	11	0.25
(1,918)	1:185:A:LEU:HB3	1:186:A:GLU:H	12	0.25
(1,905)	1:183:A:GLY:H	1:186:A:GLU:H	4	0.25
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	10	0.25
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	10	0.25
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	2	0.25
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	12	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	12	0.25
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	12	0.25
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	18	0.25
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	18	0.25
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	18	0.25
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	20	0.25
(1,859)	1:175:A:LYS:HB2	1:176:A:ASN:H	14	0.25
(1,859)	1:175:A:LYS:HB3	1:176:A:ASN:H	14	0.25
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	7	0.25
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	11	0.25
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	13	0.25
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	8	0.25
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	10	0.25
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	16	0.25
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	16	0.25
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	16	0.25
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	18	0.25
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	18	0.25
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	18	0.25
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	15	0.25
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	15	0.25
(1,700)	1:87:A:SER:HA	1:138:A:PHE:H	18	0.25
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	16	0.25
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	4	0.25
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	8	0.25
(1,652)	1:128:A:ILE:H	1:192:A:VAL:HA	12	0.25
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	15	0.25
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	12	0.25
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	11	0.25
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	13	0.25
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	6	0.25
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	11	0.25
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	15	0.25
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	1	0.25
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	2	0.25
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	8	0.25
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	13	0.25
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	14	0.25
(1,537)	1:108:A:LYS:HG2	1:109:A:GLN:H	11	0.25
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	5	0.25
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	6	0.25
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	11	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	12	0.25
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	14	0.25
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	15	0.25
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	17	0.25
(1,495)	1:98:A:MET:H	1:100:A:ARG:H	2	0.25
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	15	0.25
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	4	0.25
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	13	0.25
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	15	0.25
(1,474)	1:94:A:THR:HG21	1:95:A:LEU:H	6	0.25
(1,474)	1:94:A:THR:HG22	1:95:A:LEU:H	6	0.25
(1,474)	1:94:A:THR:HG23	1:95:A:LEU:H	6	0.25
(1,472)	1:94:A:THR:H	1:97:A:GLU:HA	19	0.25
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	10	0.25
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	2	0.25
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	2	0.25
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	2	0.25
(1,426)	1:115:A:LEU:HG	1:174:A:VAL:H	19	0.25
(1,423)	1:203:A:TRP:HA	1:203:A:TRP:HD1	12	0.25
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	15	0.25
(1,364)	1:190:A:ASN:HB3	1:191:A:THR:HB	19	0.25
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	14	0.25
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	14	0.25
(1,344)	1:181:A:LEU:HG	1:185:A:LEU:H	7	0.25
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	2	0.25
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	8	0.25
(1,337)	1:182:A:ILE:HA	1:192:A:VAL:HG11	17	0.25
(1,337)	1:182:A:ILE:HA	1:192:A:VAL:HG12	17	0.25
(1,337)	1:182:A:ILE:HA	1:192:A:VAL:HG13	17	0.25
(1,333)	1:181:A:LEU:HG	1:182:A:ILE:HA	17	0.25
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	14	0.25
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	7	0.25
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	7	0.25
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	7	0.25
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	7	0.25
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	7	0.25
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	7	0.25
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	7	0.25
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	7	0.25
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	7	0.25
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	4	0.25
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	4	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	4	0.25
(1,231)	1:151:A:THR:HA	1:152:A:GLU:HA	16	0.25
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	4	0.25
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	4	0.25
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	4	0.25
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	18	0.25
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	18	0.25
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	18	0.25
(1,179)	1:137:A:ILE:HB	1:138:A:PHE:H	19	0.25
(1,176)	1:136:A:VAL:HG21	1:137:A:ILE:H	6	0.25
(1,176)	1:136:A:VAL:HG22	1:137:A:ILE:H	6	0.25
(1,176)	1:136:A:VAL:HG23	1:137:A:ILE:H	6	0.25
(1,175)	1:87:A:SER:HB2	1:136:A:VAL:H	3	0.25
(1,175)	1:87:A:SER:HB3	1:136:A:VAL:H	3	0.25
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG21	1	0.25
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG22	1	0.25
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG23	1	0.25
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG21	1	0.25
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG22	1	0.25
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG23	1	0.25
(1,167)	1:134:A:PHE:HB2	1:145:A:ILE:HD11	10	0.25
(1,167)	1:134:A:PHE:HB2	1:145:A:ILE:HD12	10	0.25
(1,167)	1:134:A:PHE:HB2	1:145:A:ILE:HD13	10	0.25
(1,167)	1:134:A:PHE:HB3	1:145:A:ILE:HD11	10	0.25
(1,167)	1:134:A:PHE:HB3	1:145:A:ILE:HD12	10	0.25
(1,167)	1:134:A:PHE:HB3	1:145:A:ILE:HD13	10	0.25
(1,140)	1:129:A:ILE:HA	1:193:A:ARG:HG3	3	0.25
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	5	0.25
(1,74)	1:110:A:LYS:HG2	1:111:A:VAL:H	18	0.25
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	1	0.25
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	1	0.25
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	11	0.25
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	20	0.25
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	15	0.25
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	7	0.25
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD21	20	0.24
(1,1768)	1:188:A:ASN:H	1:188:A:ASN:HD22	20	0.24
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG11	7	0.24
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG12	7	0.24
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG13	7	0.24
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG21	7	0.24
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG22	7	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG23	7	0.24
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG11	18	0.24
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG12	18	0.24
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG13	18	0.24
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG21	18	0.24
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG22	18	0.24
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG23	18	0.24
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	6	0.24
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	6	0.24
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	6	0.24
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	6	0.24
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	6	0.24
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	6	0.24
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	7	0.24
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	7	0.24
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	7	0.24
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	7	0.24
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	7	0.24
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	7	0.24
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA2	20	0.24
(1,1731)	1:178:A:VAL:HG21	1:179:A:GLY:HA3	20	0.24
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA2	20	0.24
(1,1731)	1:178:A:VAL:HG22	1:179:A:GLY:HA3	20	0.24
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA2	20	0.24
(1,1731)	1:178:A:VAL:HG23	1:179:A:GLY:HA3	20	0.24
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	14	0.24
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	14	0.24
(1,1705)	1:171:A:ASP:HB2	1:172:A:GLU:HA	16	0.24
(1,1705)	1:171:A:ASP:HB3	1:172:A:GLU:HA	16	0.24
(1,1685)	1:153:A:GLU:HG2	1:155:A:ALA:H	8	0.24
(1,1685)	1:153:A:GLU:HG3	1:155:A:ALA:H	8	0.24
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	9	0.24
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	9	0.24
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	15	0.24
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	15	0.24
(1,1622)	1:129:A:ILE:HD11	1:193:A:ARG:HB2	12	0.24
(1,1622)	1:129:A:ILE:HD11	1:193:A:ARG:HB3	12	0.24
(1,1622)	1:129:A:ILE:HD12	1:193:A:ARG:HB2	12	0.24
(1,1622)	1:129:A:ILE:HD12	1:193:A:ARG:HB3	12	0.24
(1,1622)	1:129:A:ILE:HD13	1:193:A:ARG:HB2	12	0.24
(1,1622)	1:129:A:ILE:HD13	1:193:A:ARG:HB3	12	0.24
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	13	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	13	0.24
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	2	0.24
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	2	0.24
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	4	0.24
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	4	0.24
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	11	0.24
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	11	0.24
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	12	0.24
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	12	0.24
(1,1592)	1:124:A:MET:HB2	1:189:A:ASP:H	13	0.24
(1,1592)	1:124:A:MET:HB3	1:189:A:ASP:H	13	0.24
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG21	18	0.24
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG22	18	0.24
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG23	18	0.24
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG21	18	0.24
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG22	18	0.24
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG23	18	0.24
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	12	0.24
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	12	0.24
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG11	14	0.24
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG12	14	0.24
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG13	14	0.24
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG21	14	0.24
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG22	14	0.24
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG23	14	0.24
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	3	0.24
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	3	0.24
(1,1438)	1:100:A:ARG:HG2	1:101:A:ASP:H	15	0.24
(1,1438)	1:100:A:ARG:HG3	1:101:A:ASP:H	15	0.24
(1,1424)	1:98:A:MET:HG2	1:100:A:ARG:H	10	0.24
(1,1424)	1:98:A:MET:HG3	1:100:A:ARG:H	10	0.24
(1,1404)	1:95:A:LEU:HD11	1:98:A:MET:H	1	0.24
(1,1404)	1:95:A:LEU:HD12	1:98:A:MET:H	1	0.24
(1,1404)	1:95:A:LEU:HD13	1:98:A:MET:H	1	0.24
(1,1404)	1:95:A:LEU:HD21	1:98:A:MET:H	1	0.24
(1,1404)	1:95:A:LEU:HD22	1:98:A:MET:H	1	0.24
(1,1404)	1:95:A:LEU:HD23	1:98:A:MET:H	1	0.24
(1,1400)	1:95:A:LEU:HD11	1:96:A:GLU:H	10	0.24
(1,1400)	1:95:A:LEU:HD12	1:96:A:GLU:H	10	0.24
(1,1400)	1:95:A:LEU:HD13	1:96:A:GLU:H	10	0.24
(1,1400)	1:95:A:LEU:HD21	1:96:A:GLU:H	10	0.24
(1,1400)	1:95:A:LEU:HD22	1:96:A:GLU:H	10	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:95:A:LEU:HD23	1:96:A:GLU:H	10	0.24
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	20	0.24
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	20	0.24
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	20	0.24
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	20	0.24
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	20	0.24
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	20	0.24
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD1	15	0.24
(1,1341)	1:197:A:THR:HG21	1:201:A:PHE:HD2	15	0.24
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD1	15	0.24
(1,1341)	1:197:A:THR:HG22	1:201:A:PHE:HD2	15	0.24
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD1	15	0.24
(1,1341)	1:197:A:THR:HG23	1:201:A:PHE:HD2	15	0.24
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	11	0.24
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	11	0.24
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	11	0.24
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	8	0.24
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	16	0.24
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	4	0.24
(1,1273)	1:178:A:VAL:HG21	1:179:A:GLY:H	4	0.24
(1,1273)	1:178:A:VAL:HG22	1:179:A:GLY:H	4	0.24
(1,1273)	1:178:A:VAL:HG23	1:179:A:GLY:H	4	0.24
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	19	0.24
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	6	0.24
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	14	0.24
(1,1238)	1:146:A:LEU:HG	1:160:A:ILE:H	13	0.24
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	2	0.24
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	14	0.24
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	18	0.24
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	2	0.24
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	14	0.24
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	17	0.24
(1,1196)	1:132:A:ALA:HA	1:148:A:ARG:H	6	0.24
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	13	0.24
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	16	0.24
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD21	16	0.24
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD22	16	0.24
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD23	16	0.24
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	11	0.24
(1,1141)	1:122:A:ALA:HB1	1:123:A:ILE:H	19	0.24
(1,1141)	1:122:A:ALA:HB2	1:123:A:ILE:H	19	0.24
(1,1141)	1:122:A:ALA:HB3	1:123:A:ILE:H	19	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	4	0.24
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	4	0.24
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	4	0.24
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	18	0.24
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	18	0.24
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	18	0.24
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	20	0.24
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	20	0.24
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	20	0.24
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	1	0.24
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	2	0.24
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	14	0.24
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	14	0.24
(1,1099)	1:105:A:LEU:HD21	1:106:A:MET:H	5	0.24
(1,1099)	1:105:A:LEU:HD22	1:106:A:MET:H	5	0.24
(1,1099)	1:105:A:LEU:HD23	1:106:A:MET:H	5	0.24
(1,1095)	1:102:A:TRP:H	1:102:A:TRP:HE1	6	0.24
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	12	0.24
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	14	0.24
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	19	0.24
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	7	0.24
(1,933)	1:187:A:ARG:HD2	1:188:A:ASN:H	17	0.24
(1,933)	1:187:A:ARG:HD3	1:188:A:ASN:H	17	0.24
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	1	0.24
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	12	0.24
(1,868)	1:175:A:LYS:HA	1:178:A:VAL:H	5	0.24
(1,850)	1:171:A:ASP:HA	1:175:A:LYS:H	4	0.24
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	3	0.24
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	16	0.24
(1,819)	1:160:A:ILE:HB	1:161:A:SER:H	14	0.24
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	18	0.24
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	7	0.24
(1,758)	1:152:A:GLU:H	1:152:A:GLU:HG2	14	0.24
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	5	0.24
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	5	0.24
(1,738)	1:129:A:ILE:HA	1:150:A:PHE:H	7	0.24
(1,718)	1:146:A:LEU:HB2	1:147:A:LEU:H	4	0.24
(1,718)	1:146:A:LEU:HB3	1:147:A:LEU:H	4	0.24
(1,675)	1:90:A:LEU:H	1:134:A:PHE:H	4	0.24
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	2	0.24
(1,661)	1:130:A:LEU:H	1:131:A:LYS:H	14	0.24
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	13	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	13	0.24
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	20	0.24
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	20	0.24
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	1	0.24
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	18	0.24
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	18	0.24
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	16	0.24
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	20	0.24
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	10	0.24
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	15	0.24
(1,537)	1:108:A:LYS:HG2	1:109:A:GLN:H	19	0.24
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	4	0.24
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	10	0.24
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	19	0.24
(1,528)	1:105:A:LEU:HD11	1:106:A:MET:H	15	0.24
(1,528)	1:105:A:LEU:HD12	1:106:A:MET:H	15	0.24
(1,528)	1:105:A:LEU:HD13	1:106:A:MET:H	15	0.24
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	13	0.24
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	1	0.24
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	13	0.24
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	16	0.24
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	18	0.24
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD11	12	0.24
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD12	12	0.24
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD13	12	0.24
(1,430)	1:137:A:ILE:H	1:142:A:GLU:H	5	0.24
(1,423)	1:203:A:TRP:HA	1:203:A:TRP:HD1	8	0.24
(1,409)	1:178:A:VAL:HG11	1:203:A:TRP:HE3	12	0.24
(1,409)	1:178:A:VAL:HG12	1:203:A:TRP:HE3	12	0.24
(1,409)	1:178:A:VAL:HG13	1:203:A:TRP:HE3	12	0.24
(1,401)	1:178:A:VAL:HG11	1:203:A:TRP:HA	12	0.24
(1,401)	1:178:A:VAL:HG12	1:203:A:TRP:HA	12	0.24
(1,401)	1:178:A:VAL:HG13	1:203:A:TRP:HA	12	0.24
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	12	0.24
(1,350)	1:187:A:ARG:HB2	1:188:A:ASN:HA	16	0.24
(1,350)	1:187:A:ARG:HB3	1:188:A:ASN:HA	16	0.24
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	3	0.24
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	3	0.24
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	8	0.24
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	8	0.24
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	8	0.24
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	8	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	15	0.24
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	3	0.24
(1,322)	1:112:A:ALA:HB1	1:180:A:VAL:H	19	0.24
(1,322)	1:112:A:ALA:HB2	1:180:A:VAL:H	19	0.24
(1,322)	1:112:A:ALA:HB3	1:180:A:VAL:H	19	0.24
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG21	9	0.24
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG22	9	0.24
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG23	9	0.24
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	16	0.24
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	16	0.24
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	16	0.24
(1,236)	1:152:A:GLU:HA	1:152:A:GLU:HB3	15	0.24
(1,236)	1:152:A:GLU:HA	1:152:A:GLU:HB3	17	0.24
(1,236)	1:152:A:GLU:HA	1:152:A:GLU:HB3	20	0.24
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	16	0.24
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	16	0.24
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	16	0.24
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	16	0.24
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	16	0.24
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	16	0.24
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD11	18	0.24
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD12	18	0.24
(1,187)	1:137:A:ILE:HA	1:137:A:ILE:HD13	18	0.24
(1,179)	1:137:A:ILE:HB	1:138:A:PHE:H	6	0.24
(1,179)	1:137:A:ILE:HB	1:138:A:PHE:H	17	0.24
(1,140)	1:129:A:ILE:HA	1:193:A:ARG:HG3	13	0.24
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	15	0.24
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG21	18	0.24
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG22	18	0.24
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG23	18	0.24
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG21	18	0.24
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG22	18	0.24
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG23	18	0.24
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG21	18	0.24
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG22	18	0.24
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG23	18	0.24
(1,118)	1:123:A:ILE:HG21	1:126:A:LYS:HB3	19	0.24
(1,118)	1:123:A:ILE:HG22	1:126:A:LYS:HB3	19	0.24
(1,118)	1:123:A:ILE:HG23	1:126:A:LYS:HB3	19	0.24
(1,110)	1:123:A:ILE:HB	1:157:A:VAL:HG21	9	0.24
(1,110)	1:123:A:ILE:HB	1:157:A:VAL:HG22	9	0.24
(1,110)	1:123:A:ILE:HB	1:157:A:VAL:HG23	9	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:112:A:ALA:HB1	1:115:A:LEU:HB2	17	0.24
(1,80)	1:112:A:ALA:HB2	1:115:A:LEU:HB2	17	0.24
(1,80)	1:112:A:ALA:HB3	1:115:A:LEU:HB2	17	0.24
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	12	0.24
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	12	0.24
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE1	14	0.24
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE2	14	0.24
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE3	14	0.24
(1,25)	1:90:A:LEU:HA	1:90:A:LEU:HD21	4	0.24
(1,25)	1:90:A:LEU:HA	1:90:A:LEU:HD22	4	0.24
(1,25)	1:90:A:LEU:HA	1:90:A:LEU:HD23	4	0.24
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	2	0.24
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	2	0.24
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	2	0.24
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	7	0.24
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	7	0.24
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	7	0.24
(1,17)	1:88:A:ARG:HG2	1:89:A:TYR:H	1	0.24
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD1	7	0.23
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD2	7	0.23
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD1	7	0.23
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD2	7	0.23
(1,1794)	1:197:A:THR:HA	1:200:A:ARG:HD2	18	0.23
(1,1794)	1:197:A:THR:HA	1:200:A:ARG:HD3	18	0.23
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG21	14	0.23
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG22	14	0.23
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG23	14	0.23
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG21	14	0.23
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG22	14	0.23
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG23	14	0.23
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	4	0.23
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	4	0.23
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	4	0.23
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	4	0.23
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	4	0.23
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	4	0.23
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	14	0.23
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	14	0.23
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	14	0.23
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	14	0.23
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	14	0.23
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	14	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	16	0.23
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	16	0.23
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	16	0.23
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	16	0.23
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	16	0.23
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	16	0.23
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	18	0.23
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	18	0.23
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	18	0.23
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	18	0.23
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	18	0.23
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	18	0.23
(1,1726)	1:176:A:ASN:HB2	1:180:A:VAL:H	17	0.23
(1,1726)	1:176:A:ASN:HB3	1:180:A:VAL:H	17	0.23
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	9	0.23
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	9	0.23
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	9	0.23
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	9	0.23
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	9	0.23
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	9	0.23
(1,1649)	1:136:A:VAL:HG11	1:137:A:ILE:H	15	0.23
(1,1649)	1:136:A:VAL:HG12	1:137:A:ILE:H	15	0.23
(1,1649)	1:136:A:VAL:HG13	1:137:A:ILE:H	15	0.23
(1,1649)	1:136:A:VAL:HG21	1:137:A:ILE:H	15	0.23
(1,1649)	1:136:A:VAL:HG22	1:137:A:ILE:H	15	0.23
(1,1649)	1:136:A:VAL:HG23	1:137:A:ILE:H	15	0.23
(1,1641)	1:133:A:ASN:HD21	1:134:A:PHE:H	9	0.23
(1,1641)	1:133:A:ASN:HD22	1:134:A:PHE:H	9	0.23
(1,1634)	1:130:A:LEU:HD11	1:149:A:ALA:HA	18	0.23
(1,1634)	1:130:A:LEU:HD12	1:149:A:ALA:HA	18	0.23
(1,1634)	1:130:A:LEU:HD13	1:149:A:ALA:HA	18	0.23
(1,1634)	1:130:A:LEU:HD21	1:149:A:ALA:HA	18	0.23
(1,1634)	1:130:A:LEU:HD22	1:149:A:ALA:HA	18	0.23
(1,1634)	1:130:A:LEU:HD23	1:149:A:ALA:HA	18	0.23
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB2	20	0.23
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB3	20	0.23
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	19	0.23
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	19	0.23
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	19	0.23
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	19	0.23
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	19	0.23
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	19	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	17	0.23
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	17	0.23
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	17	0.23
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	17	0.23
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	17	0.23
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	17	0.23
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	14	0.23
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	14	0.23
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	20	0.23
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	20	0.23
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	17	0.23
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	17	0.23
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	4	0.23
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	4	0.23
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	20	0.23
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	20	0.23
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	14	0.23
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	14	0.23
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG21	17	0.23
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG22	17	0.23
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG23	17	0.23
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG21	17	0.23
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG22	17	0.23
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG23	17	0.23
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	11	0.23
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	11	0.23
(1,1487)	1:108:A:LYS:HB2	1:121:A:GLN:H	2	0.23
(1,1487)	1:108:A:LYS:HB3	1:121:A:GLN:H	2	0.23
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	1	0.23
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	1	0.23
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG2	11	0.23
(1,1485)	1:108:A:LYS:HA	1:121:A:GLN:HG3	11	0.23
(1,1471)	1:105:A:LEU:HD11	1:122:A:ALA:H	9	0.23
(1,1471)	1:105:A:LEU:HD12	1:122:A:ALA:H	9	0.23
(1,1471)	1:105:A:LEU:HD13	1:122:A:ALA:H	9	0.23
(1,1471)	1:105:A:LEU:HD21	1:122:A:ALA:H	9	0.23
(1,1471)	1:105:A:LEU:HD22	1:122:A:ALA:H	9	0.23
(1,1471)	1:105:A:LEU:HD23	1:122:A:ALA:H	9	0.23
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	9	0.23
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	9	0.23
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	9	0.23
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	9	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	9	0.23
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	9	0.23
(1,1443)	1:100:A:ARG:HD2	1:156:A:ILE:HD11	15	0.23
(1,1443)	1:100:A:ARG:HD2	1:156:A:ILE:HD12	15	0.23
(1,1443)	1:100:A:ARG:HD2	1:156:A:ILE:HD13	15	0.23
(1,1443)	1:100:A:ARG:HD3	1:156:A:ILE:HD11	15	0.23
(1,1443)	1:100:A:ARG:HD3	1:156:A:ILE:HD12	15	0.23
(1,1443)	1:100:A:ARG:HD3	1:156:A:ILE:HD13	15	0.23
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	15	0.23
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	15	0.23
(1,1418)	1:97:A:GLU:HB2	1:100:A:ARG:H	16	0.23
(1,1418)	1:97:A:GLU:HB3	1:100:A:ARG:H	16	0.23
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	18	0.23
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	18	0.23
(1,1372)	1:90:A:LEU:HD11	1:136:A:VAL:H	1	0.23
(1,1372)	1:90:A:LEU:HD12	1:136:A:VAL:H	1	0.23
(1,1372)	1:90:A:LEU:HD13	1:136:A:VAL:H	1	0.23
(1,1372)	1:90:A:LEU:HD21	1:136:A:VAL:H	1	0.23
(1,1372)	1:90:A:LEU:HD22	1:136:A:VAL:H	1	0.23
(1,1372)	1:90:A:LEU:HD23	1:136:A:VAL:H	1	0.23
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	9	0.23
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	9	0.23
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	9	0.23
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	9	0.23
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	9	0.23
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	9	0.23
(1,1355)	1:88:A:ARG:HB2	1:89:A:TYR:HA	10	0.23
(1,1355)	1:88:A:ARG:HB3	1:89:A:TYR:HA	10	0.23
(1,1354)	1:88:A:ARG:HB2	1:89:A:TYR:H	17	0.23
(1,1354)	1:88:A:ARG:HB3	1:89:A:TYR:H	17	0.23
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	1	0.23
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	20	0.23
(1,1294)	1:127:A:ASN:HA	1:192:A:VAL:H	5	0.23
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB2	13	0.23
(1,1276)	1:180:A:VAL:H	1:181:A:LEU:HB3	13	0.23
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	4	0.23
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	4	0.23
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	17	0.23
(1,1244)	1:165:A:SER:HA	1:166:A:LEU:H	12	0.23
(1,1243)	1:116:A:CYS:HB2	1:161:A:SER:H	18	0.23
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	3	0.23
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	7	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	1	0.23
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	9	0.23
(1,1197)	1:132:A:ALA:HB1	1:148:A:ARG:H	14	0.23
(1,1197)	1:132:A:ALA:HB2	1:148:A:ARG:H	14	0.23
(1,1197)	1:132:A:ALA:HB3	1:148:A:ARG:H	14	0.23
(1,1196)	1:132:A:ALA:HA	1:148:A:ARG:H	14	0.23
(1,1191)	1:144:A:LEU:HG	1:146:A:LEU:H	12	0.23
(1,1179)	1:90:A:LEU:H	1:136:A:VAL:H	15	0.23
(1,1177)	1:135:A:SER:H	1:145:A:ILE:HB	1	0.23
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	1	0.23
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	19	0.23
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD21	6	0.23
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD22	6	0.23
(1,1159)	1:131:A:LYS:H	1:147:A:LEU:HD23	6	0.23
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	19	0.23
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	12	0.23
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	12	0.23
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	12	0.23
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	7	0.23
(1,1128)	1:118:A:ARG:H	1:118:A:ARG:HB2	12	0.23
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	18	0.23
(1,1104)	1:108:A:LYS:H	1:121:A:GLN:H	5	0.23
(1,1096)	1:102:A:TRP:H	1:156:A:ILE:HB	15	0.23
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	18	0.23
(1,1058)	1:178:A:VAL:HB	1:181:A:LEU:H	20	0.23
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD11	9	0.23
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD12	9	0.23
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD13	9	0.23
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	19	0.23
(1,1017)	1:203:A:TRP:H	1:204:A:ARG:HA	15	0.23
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	15	0.23
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	6	0.23
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	3	0.23
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	3	0.23
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	19	0.23
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	19	0.23
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	1	0.23
(1,893)	1:181:A:LEU:H	1:182:A:ILE:HB	19	0.23
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	11	0.23
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	11	0.23
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	11	0.23
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	14	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	17	0.23
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	9	0.23
(1,814)	1:117:A:ILE:HA	1:161:A:SER:H	4	0.23
(1,813)	1:116:A:CYS:HB3	1:161:A:SER:H	9	0.23
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	3	0.23
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	3	0.23
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	3	0.23
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	3	0.23
(1,771)	1:150:A:PHE:HB3	1:155:A:ALA:H	19	0.23
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	2	0.23
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	2	0.23
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	13	0.23
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	13	0.23
(1,738)	1:129:A:ILE:HA	1:150:A:PHE:H	19	0.23
(1,703)	1:137:A:ILE:HB	1:140:A:ARG:H	10	0.23
(1,695)	1:137:A:ILE:H	1:139:A:ASP:HA	19	0.23
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	9	0.23
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	12	0.23
(1,662)	1:130:A:LEU:H	1:194:A:VAL:HA	5	0.23
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	3	0.23
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	19	0.23
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	18	0.23
(1,639)	1:127:A:ASN:H	1:152:A:GLU:HG3	13	0.23
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	11	0.23
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	8	0.23
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	3	0.23
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	7	0.23
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	10	0.23
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	15	0.23
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	20	0.23
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	8	0.23
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	6	0.23
(1,564)	1:117:A:ILE:HG21	1:119:A:MET:H	8	0.23
(1,564)	1:117:A:ILE:HG22	1:119:A:MET:H	8	0.23
(1,564)	1:117:A:ILE:HG23	1:119:A:MET:H	8	0.23
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	5	0.23
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	20	0.23
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	12	0.23
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	14	0.23
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	3	0.23
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	5	0.23
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	7	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	9	0.23
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	8	0.23
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	14	0.23
(1,474)	1:94:A:THR:HG21	1:95:A:LEU:H	8	0.23
(1,474)	1:94:A:THR:HG22	1:95:A:LEU:H	8	0.23
(1,474)	1:94:A:THR:HG23	1:95:A:LEU:H	8	0.23
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD11	4	0.23
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD12	4	0.23
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD13	4	0.23
(1,447)	1:89:A:TYR:H	1:90:A:LEU:H	1	0.23
(1,447)	1:89:A:TYR:H	1:90:A:LEU:H	16	0.23
(1,430)	1:137:A:ILE:H	1:142:A:GLU:H	19	0.23
(1,423)	1:203:A:TRP:HA	1:203:A:TRP:HD1	14	0.23
(1,391)	1:196:A:GLU:HA	1:199:A:GLN:H	2	0.23
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	6	0.23
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	6	0.23
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	6	0.23
(1,344)	1:181:A:LEU:HG	1:185:A:LEU:H	10	0.23
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	8	0.23
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG21	17	0.23
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG22	17	0.23
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG23	17	0.23
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	20	0.23
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	20	0.23
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	20	0.23
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	9	0.23
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	9	0.23
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	9	0.23
(1,236)	1:152:A:GLU:HA	1:152:A:GLU:HB3	12	0.23
(1,236)	1:152:A:GLU:HA	1:152:A:GLU:HB3	19	0.23
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD11	11	0.23
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD12	11	0.23
(1,212)	1:149:A:ALA:H	1:181:A:LEU:HD13	11	0.23
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	8	0.23
(1,194)	1:144:A:LEU:HD11	1:146:A:LEU:HA	10	0.23
(1,194)	1:144:A:LEU:HD12	1:146:A:LEU:HA	10	0.23
(1,194)	1:144:A:LEU:HD13	1:146:A:LEU:HA	10	0.23
(1,194)	1:144:A:LEU:HD21	1:146:A:LEU:HA	10	0.23
(1,194)	1:144:A:LEU:HD22	1:146:A:LEU:HA	10	0.23
(1,194)	1:144:A:LEU:HD23	1:146:A:LEU:HA	10	0.23
(1,188)	1:137:A:ILE:HB	1:137:A:ILE:HD11	6	0.23
(1,188)	1:137:A:ILE:HB	1:137:A:ILE:HD12	6	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:137:A:ILE:HB	1:137:A:ILE:HD13	6	0.23
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG21	19	0.23
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG22	19	0.23
(1,173)	1:134:A:PHE:HE1	1:136:A:VAL:HG23	19	0.23
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG21	19	0.23
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG22	19	0.23
(1,173)	1:134:A:PHE:HE2	1:136:A:VAL:HG23	19	0.23
(1,158)	1:91:A:THR:HB	1:133:A:ASN:HA	10	0.23
(1,140)	1:129:A:ILE:HA	1:193:A:ARG:HG3	5	0.23
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD11	15	0.23
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD12	15	0.23
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD13	15	0.23
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	8	0.23
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	8	0.23
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	11	0.23
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	11	0.23
(1,38)	1:92:A:ASP:H	1:131:A:LYS:HA	8	0.23
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	13	0.23
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	13	0.23
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	13	0.23
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	17	0.23
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	17	0.23
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	17	0.23
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	19	0.23
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	19	0.23
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	19	0.23
(1,7)	1:124:A:MET:HA	1:189:A:ASP:HA	9	0.23
(1,1783)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	5	0.22
(1,1783)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	5	0.22
(1,1783)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	5	0.22
(1,1783)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	5	0.22
(1,1783)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	5	0.22
(1,1783)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	5	0.22
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	15	0.22
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	15	0.22
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	15	0.22
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	15	0.22
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	15	0.22
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	15	0.22
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	17	0.22
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	17	0.22
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	17	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	17	0.22
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	17	0.22
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	17	0.22
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	20	0.22
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	20	0.22
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG11	7	0.22
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG12	7	0.22
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG13	7	0.22
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG21	7	0.22
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG22	7	0.22
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG23	7	0.22
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	15	0.22
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	15	0.22
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	15	0.22
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	15	0.22
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	15	0.22
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	15	0.22
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	15	0.22
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	15	0.22
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	15	0.22
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	15	0.22
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	15	0.22
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	15	0.22
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB2	19	0.22
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB3	19	0.22
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB2	19	0.22
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB3	19	0.22
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	14	0.22
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	14	0.22
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	4	0.22
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	4	0.22
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	14	0.22
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	14	0.22
(1,1692)	1:162:A:PRO:HG2	1:163:A:LEU:H	15	0.22
(1,1692)	1:162:A:PRO:HG3	1:163:A:LEU:H	15	0.22
(1,1640)	1:131:A:LYS:HB2	1:150:A:PHE:H	12	0.22
(1,1640)	1:131:A:LYS:HB3	1:150:A:PHE:H	12	0.22
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	8	0.22
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	8	0.22
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	8	0.22
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	8	0.22
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	8	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	8	0.22
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	1	0.22
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	1	0.22
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	17	0.22
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	17	0.22
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	14	0.22
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	14	0.22
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG21	1	0.22
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG22	1	0.22
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG23	1	0.22
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG21	1	0.22
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG22	1	0.22
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG23	1	0.22
(1,1499)	1:108:A:LYS:HE2	1:121:A:GLN:HB2	16	0.22
(1,1499)	1:108:A:LYS:HE3	1:121:A:GLN:HB2	16	0.22
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	17	0.22
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	17	0.22
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG2	11	0.22
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG3	11	0.22
(1,1471)	1:105:A:LEU:HD11	1:122:A:ALA:H	5	0.22
(1,1471)	1:105:A:LEU:HD12	1:122:A:ALA:H	5	0.22
(1,1471)	1:105:A:LEU:HD13	1:122:A:ALA:H	5	0.22
(1,1471)	1:105:A:LEU:HD21	1:122:A:ALA:H	5	0.22
(1,1471)	1:105:A:LEU:HD22	1:122:A:ALA:H	5	0.22
(1,1471)	1:105:A:LEU:HD23	1:122:A:ALA:H	5	0.22
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	1	0.22
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	1	0.22
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	1	0.22
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	1	0.22
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	1	0.22
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	1	0.22
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	2	0.22
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	2	0.22
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	2	0.22
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	2	0.22
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	2	0.22
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	2	0.22
(1,1462)	1:104:A:MET:HG2	1:108:A:LYS:H	18	0.22
(1,1462)	1:104:A:MET:HG3	1:108:A:LYS:H	18	0.22
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	7	0.22
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	7	0.22
(1,1441)	1:100:A:ARG:HD2	1:101:A:ASP:H	5	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1441)	1:100:A:ARG:HD3	1:101:A:ASP:H	5	0.22
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	8	0.22
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	8	0.22
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	8	0.22
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	8	0.22
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	12	0.22
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	12	0.22
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	12	0.22
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	12	0.22
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	8	0.22
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	8	0.22
(1,1424)	1:98:A:MET:HG2	1:100:A:ARG:H	3	0.22
(1,1424)	1:98:A:MET:HG3	1:100:A:ARG:H	3	0.22
(1,1404)	1:95:A:LEU:HD11	1:98:A:MET:H	15	0.22
(1,1404)	1:95:A:LEU:HD12	1:98:A:MET:H	15	0.22
(1,1404)	1:95:A:LEU:HD13	1:98:A:MET:H	15	0.22
(1,1404)	1:95:A:LEU:HD21	1:98:A:MET:H	15	0.22
(1,1404)	1:95:A:LEU:HD22	1:98:A:MET:H	15	0.22
(1,1404)	1:95:A:LEU:HD23	1:98:A:MET:H	15	0.22
(1,1400)	1:95:A:LEU:HD11	1:96:A:GLU:H	18	0.22
(1,1400)	1:95:A:LEU:HD12	1:96:A:GLU:H	18	0.22
(1,1400)	1:95:A:LEU:HD13	1:96:A:GLU:H	18	0.22
(1,1400)	1:95:A:LEU:HD21	1:96:A:GLU:H	18	0.22
(1,1400)	1:95:A:LEU:HD22	1:96:A:GLU:H	18	0.22
(1,1400)	1:95:A:LEU:HD23	1:96:A:GLU:H	18	0.22
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	7	0.22
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	7	0.22
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	6	0.22
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	6	0.22
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	6	0.22
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	6	0.22
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	6	0.22
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	6	0.22
(1,1354)	1:88:A:ARG:HB2	1:89:A:TYR:H	5	0.22
(1,1354)	1:88:A:ARG:HB3	1:89:A:TYR:H	5	0.22
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	13	0.22
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	13	0.22
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	13	0.22
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	13	0.22
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	13	0.22
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	13	0.22
(1,1333)	1:134:A:PHE:HE1	1:136:A:VAL:HG11	9	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:134:A:PHE:HE1	1:136:A:VAL:HG12	9	0.22
(1,1333)	1:134:A:PHE:HE1	1:136:A:VAL:HG13	9	0.22
(1,1333)	1:134:A:PHE:HE2	1:136:A:VAL:HG11	9	0.22
(1,1333)	1:134:A:PHE:HE2	1:136:A:VAL:HG12	9	0.22
(1,1333)	1:134:A:PHE:HE2	1:136:A:VAL:HG13	9	0.22
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	4	0.22
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	7	0.22
(1,1278)	1:180:A:VAL:HA	1:183:A:GLY:H	20	0.22
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG11	16	0.22
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG12	16	0.22
(1,1267)	1:177:A:ALA:H	1:178:A:VAL:HG13	16	0.22
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	13	0.22
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	6	0.22
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	7	0.22
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	16	0.22
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	15	0.22
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	18	0.22
(1,1193)	1:144:A:LEU:HD11	1:147:A:LEU:H	10	0.22
(1,1193)	1:144:A:LEU:HD12	1:147:A:LEU:H	10	0.22
(1,1193)	1:144:A:LEU:HD13	1:147:A:LEU:H	10	0.22
(1,1193)	1:144:A:LEU:HD21	1:147:A:LEU:H	10	0.22
(1,1193)	1:144:A:LEU:HD22	1:147:A:LEU:H	10	0.22
(1,1193)	1:144:A:LEU:HD23	1:147:A:LEU:H	10	0.22
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	3	0.22
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	8	0.22
(1,1160)	1:131:A:LYS:H	1:147:A:LEU:HG	19	0.22
(1,1151)	1:128:A:ILE:H	1:129:A:ILE:H	16	0.22
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	1	0.22
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	1	0.22
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	1	0.22
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	15	0.22
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	16	0.22
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	3	0.22
(1,1095)	1:102:A:TRP:H	1:102:A:TRP:HE1	11	0.22
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	16	0.22
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	16	0.22
(1,1058)	1:178:A:VAL:HB	1:181:A:LEU:H	10	0.22
(1,1044)	1:136:A:VAL:HB	1:142:A:GLU:H	13	0.22
(1,1031)	1:147:A:LEU:HG	1:160:A:ILE:HB	14	0.22
(1,1022)	1:178:A:VAL:HB	1:203:A:TRP:HA	20	0.22
(1,1018)	1:203:A:TRP:H	1:204:A:ARG:HB2	7	0.22
(1,1018)	1:203:A:TRP:H	1:204:A:ARG:HB3	7	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	1	0.22
(1,997)	1:194:A:VAL:HB	1:199:A:GLN:H	9	0.22
(1,982)	1:194:A:VAL:H	1:194:A:VAL:HB	16	0.22
(1,966)	1:191:A:THR:H	1:191:A:THR:HG21	15	0.22
(1,966)	1:191:A:THR:H	1:191:A:THR:HG22	15	0.22
(1,966)	1:191:A:THR:H	1:191:A:THR:HG23	15	0.22
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	7	0.22
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	5	0.22
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	15	0.22
(1,950)	1:189:A:ASP:HB2	1:190:A:ASN:H	7	0.22
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	2	0.22
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	13	0.22
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	20	0.22
(1,946)	1:185:A:LEU:HA	1:190:A:ASN:H	19	0.22
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	13	0.22
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	16	0.22
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	5	0.22
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	5	0.22
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	6	0.22
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	6	0.22
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	13	0.22
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	13	0.22
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	2	0.22
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	8	0.22
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	14	0.22
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	9	0.22
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	9	0.22
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	9	0.22
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG21	4	0.22
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG22	4	0.22
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG23	4	0.22
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG21	3	0.22
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG22	3	0.22
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG23	3	0.22
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG21	8	0.22
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG22	8	0.22
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG23	8	0.22
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	18	0.22
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	4	0.22
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	19	0.22
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	13	0.22
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	13	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	13	0.22
(1,766)	1:151:A:THR:HA	1:154:A:GLY:H	16	0.22
(1,680)	1:133:A:ASN:HB3	1:134:A:PHE:H	1	0.22
(1,680)	1:133:A:ASN:HB3	1:134:A:PHE:H	11	0.22
(1,680)	1:133:A:ASN:HB3	1:134:A:PHE:H	19	0.22
(1,677)	1:132:A:ALA:HB1	1:134:A:PHE:H	14	0.22
(1,677)	1:132:A:ALA:HB2	1:134:A:PHE:H	14	0.22
(1,677)	1:132:A:ALA:HB3	1:134:A:PHE:H	14	0.22
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	5	0.22
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	17	0.22
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	17	0.22
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	2	0.22
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	17	0.22
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	14	0.22
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	20	0.22
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	1	0.22
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	11	0.22
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	13	0.22
(1,617)	1:123:A:ILE:HG21	1:125:A:ASP:H	9	0.22
(1,617)	1:123:A:ILE:HG22	1:125:A:ASP:H	9	0.22
(1,617)	1:123:A:ILE:HG23	1:125:A:ASP:H	9	0.22
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	2	0.22
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	12	0.22
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	5	0.22
(1,571)	1:102:A:TRP:HH2	1:120:A:ASP:H	8	0.22
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	8	0.22
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	17	0.22
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	20	0.22
(1,545)	1:111:A:VAL:HB	1:112:A:ALA:H	10	0.22
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	19	0.22
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	5	0.22
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	3	0.22
(1,477)	1:94:A:THR:H	1:96:A:GLU:H	15	0.22
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	6	0.22
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	15	0.22
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD11	3	0.22
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD12	3	0.22
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD13	3	0.22
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	18	0.22
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	18	0.22
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	2	0.22
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	9	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	9	0.22
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	9	0.22
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	13	0.22
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	13	0.22
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	13	0.22
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	17	0.22
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	9	0.22
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	9	0.22
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	9	0.22
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	9	0.22
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	9	0.22
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	9	0.22
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	9	0.22
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	9	0.22
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	9	0.22
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	11	0.22
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	11	0.22
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	11	0.22
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	11	0.22
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	11	0.22
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	11	0.22
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	11	0.22
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	11	0.22
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	11	0.22
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	18	0.22
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	18	0.22
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	18	0.22
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	18	0.22
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	18	0.22
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	18	0.22
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	18	0.22
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	18	0.22
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	18	0.22
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG2	2	0.22
(1,300)	1:170:A:THR:HG21	1:172:A:GLU:HG3	2	0.22
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG2	2	0.22
(1,300)	1:170:A:THR:HG22	1:172:A:GLU:HG3	2	0.22
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG2	2	0.22
(1,300)	1:170:A:THR:HG23	1:172:A:GLU:HG3	2	0.22
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	9	0.22
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	9	0.22
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	9	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,236)	1:152:A:GLU:HA	1:152:A:GLU:HB3	14	0.22
(1,179)	1:137:A:ILE:HB	1:138:A:PHE:H	1	0.22
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG21	13	0.22
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG22	13	0.22
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG23	13	0.22
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG21	13	0.22
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG22	13	0.22
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG23	13	0.22
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	13	0.22
(1,106)	1:122:A:ALA:H	1:123:A:ILE:HB	15	0.22
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	7	0.22
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	7	0.22
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	17	0.22
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	17	0.22
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	19	0.22
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	19	0.22
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	4	0.22
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE1	4	0.22
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE2	4	0.22
(1,37)	1:92:A:ASP:H	1:93:A:MET:HE3	4	0.22
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	12	0.22
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	12	0.22
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	12	0.22
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	20	0.22
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	20	0.22
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	20	0.22
(1,17)	1:88:A:ARG:HG2	1:89:A:TYR:H	15	0.22
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	6	0.21
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	6	0.21
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	6	0.21
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	6	0.21
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	6	0.21
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	6	0.21
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG11	19	0.21
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG12	19	0.21
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG13	19	0.21
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG21	19	0.21
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG22	19	0.21
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG23	19	0.21
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG11	18	0.21
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG12	18	0.21
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG13	18	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG21	18	0.21
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG22	18	0.21
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG23	18	0.21
(1,1726)	1:176:A:ASN:HB2	1:180:A:VAL:H	1	0.21
(1,1726)	1:176:A:ASN:HB3	1:180:A:VAL:H	1	0.21
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	17	0.21
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	17	0.21
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	17	0.21
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	17	0.21
(1,1708)	1:171:A:ASP:HB2	1:175:A:LYS:HB2	8	0.21
(1,1708)	1:171:A:ASP:HB2	1:175:A:LYS:HB3	8	0.21
(1,1708)	1:171:A:ASP:HB3	1:175:A:LYS:HB2	8	0.21
(1,1708)	1:171:A:ASP:HB3	1:175:A:LYS:HB3	8	0.21
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	10	0.21
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	10	0.21
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	16	0.21
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	16	0.21
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	19	0.21
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	19	0.21
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	18	0.21
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	18	0.21
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	1	0.21
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	1	0.21
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	1	0.21
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	1	0.21
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	1	0.21
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	1	0.21
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG2	8	0.21
(1,1674)	1:151:A:THR:H	1:153:A:GLU:HG3	8	0.21
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	20	0.21
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	20	0.21
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	20	0.21
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	20	0.21
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	20	0.21
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	20	0.21
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG11	20	0.21
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG12	20	0.21
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG13	20	0.21
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG21	20	0.21
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG22	20	0.21
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG23	20	0.21
(1,1641)	1:133:A:ASN:HD21	1:134:A:PHE:H	18	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1641)	1:133:A:ASN:HD22	1:134:A:PHE:H	18	0.21
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB2	19	0.21
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB3	19	0.21
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	4	0.21
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	4	0.21
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	4	0.21
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	4	0.21
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	4	0.21
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	4	0.21
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	13	0.21
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	13	0.21
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	13	0.21
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	13	0.21
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	13	0.21
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	13	0.21
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	1	0.21
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	1	0.21
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	1	0.21
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	1	0.21
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	1	0.21
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	1	0.21
(1,1596)	1:125:A:ASP:HA	1:189:A:ASP:HB2	7	0.21
(1,1596)	1:125:A:ASP:HA	1:189:A:ASP:HB3	7	0.21
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	2	0.21
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	2	0.21
(1,1537)	1:115:A:LEU:HD11	1:161:A:SER:HA	10	0.21
(1,1537)	1:115:A:LEU:HD12	1:161:A:SER:HA	10	0.21
(1,1537)	1:115:A:LEU:HD13	1:161:A:SER:HA	10	0.21
(1,1537)	1:115:A:LEU:HD21	1:161:A:SER:HA	10	0.21
(1,1537)	1:115:A:LEU:HD22	1:161:A:SER:HA	10	0.21
(1,1537)	1:115:A:LEU:HD23	1:161:A:SER:HA	10	0.21
(1,1493)	1:108:A:LYS:HG2	1:119:A:MET:H	12	0.21
(1,1493)	1:108:A:LYS:HG3	1:119:A:MET:H	12	0.21
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	10	0.21
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	10	0.21
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	15	0.21
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	15	0.21
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	16	0.21
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	16	0.21
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	20	0.21
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	20	0.21
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	20	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	20	0.21
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	20	0.21
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	20	0.21
(1,1428)	1:99:A:SER:HB2	1:100:A:ARG:H	7	0.21
(1,1428)	1:99:A:SER:HB3	1:100:A:ARG:H	7	0.21
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	8	0.21
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	8	0.21
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB2	18	0.21
(1,1410)	1:96:A:GLU:HB2	1:99:A:SER:HB3	18	0.21
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB2	18	0.21
(1,1410)	1:96:A:GLU:HB3	1:99:A:SER:HB3	18	0.21
(1,1355)	1:88:A:ARG:HB2	1:89:A:TYR:HA	12	0.21
(1,1355)	1:88:A:ARG:HB3	1:89:A:TYR:HA	12	0.21
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	15	0.21
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	15	0.21
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	15	0.21
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	15	0.21
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	15	0.21
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	15	0.21
(1,1324)	1:199:A:GLN:HA	1:202:A:ALA:H	5	0.21
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	5	0.21
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	6	0.21
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	9	0.21
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	10	0.21
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	12	0.21
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	3	0.21
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	7	0.21
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	16	0.21
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	20	0.21
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	1	0.21
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	4	0.21
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	2	0.21
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	8	0.21
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	11	0.21
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	3	0.21
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	7	0.21
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	12	0.21
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	13	0.21
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	15	0.21
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	8	0.21
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	8	0.21
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	15	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	15	0.21
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	17	0.21
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	18	0.21
(1,1210)	1:151:A:THR:H	1:152:A:GLU:H	16	0.21
(1,1196)	1:132:A:ALA:HA	1:148:A:ARG:H	8	0.21
(1,1175)	1:135:A:SER:H	1:144:A:LEU:HA	12	0.21
(1,1170)	1:133:A:ASN:H	1:145:A:ILE:HB	9	0.21
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE1	13	0.21
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE2	13	0.21
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	12	0.21
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	15	0.21
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	16	0.21
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	18	0.21
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	19	0.21
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	18	0.21
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	10	0.21
(1,1083)	1:94:A:THR:H	1:98:A:MET:H	14	0.21
(1,1071)	1:92:A:ASP:H	1:132:A:ALA:HB1	9	0.21
(1,1071)	1:92:A:ASP:H	1:132:A:ALA:HB2	9	0.21
(1,1071)	1:92:A:ASP:H	1:132:A:ALA:HB3	9	0.21
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD11	5	0.21
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD12	5	0.21
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD13	5	0.21
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	20	0.21
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	20	0.21
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	20	0.21
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	15	0.21
(1,982)	1:194:A:VAL:H	1:194:A:VAL:HB	7	0.21
(1,981)	1:193:A:ARG:HG3	1:194:A:VAL:H	7	0.21
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	19	0.21
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	12	0.21
(1,950)	1:189:A:ASP:HB2	1:190:A:ASN:H	15	0.21
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	3	0.21
(1,948)	1:188:A:ASN:HB3	1:190:A:ASN:H	15	0.21
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	12	0.21
(1,946)	1:185:A:LEU:HA	1:190:A:ASN:H	4	0.21
(1,933)	1:187:A:ARG:HD2	1:188:A:ASN:H	5	0.21
(1,933)	1:187:A:ARG:HD3	1:188:A:ASN:H	5	0.21
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	15	0.21
(1,905)	1:183:A:GLY:H	1:186:A:GLU:H	14	0.21
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	1	0.21
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	1	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	4	0.21
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	4	0.21
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	15	0.21
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	20	0.21
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	8	0.21
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	6	0.21
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	4	0.21
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	6	0.21
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	14	0.21
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	1	0.21
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	1	0.21
(1,728)	1:130:A:LEU:HA	1:148:A:ARG:H	4	0.21
(1,718)	1:146:A:LEU:HB2	1:147:A:LEU:H	10	0.21
(1,718)	1:146:A:LEU:HB3	1:147:A:LEU:H	10	0.21
(1,703)	1:137:A:ILE:HB	1:140:A:ARG:H	7	0.21
(1,700)	1:87:A:SER:HA	1:138:A:PHE:H	15	0.21
(1,677)	1:132:A:ALA:HB1	1:134:A:PHE:H	6	0.21
(1,677)	1:132:A:ALA:HB2	1:134:A:PHE:H	6	0.21
(1,677)	1:132:A:ALA:HB3	1:134:A:PHE:H	6	0.21
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	12	0.21
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	4	0.21
(1,663)	1:130:A:LEU:H	1:195:A:SER:H	18	0.21
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	12	0.21
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	12	0.21
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	11	0.21
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	12	0.21
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	19	0.21
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	6	0.21
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	18	0.21
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	10	0.21
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	15	0.21
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	2	0.21
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	16	0.21
(1,545)	1:111:A:VAL:HB	1:112:A:ALA:H	3	0.21
(1,545)	1:111:A:VAL:HB	1:112:A:ALA:H	4	0.21
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	3	0.21
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	1	0.21
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	5	0.21
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	20	0.21
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	8	0.21
(1,495)	1:98:A:MET:H	1:100:A:ARG:H	14	0.21
(1,492)	1:98:A:MET:HG2	1:99:A:SER:H	14	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:94:A:THR:HG21	1:97:A:GLU:H	14	0.21
(1,484)	1:94:A:THR:HG22	1:97:A:GLU:H	14	0.21
(1,484)	1:94:A:THR:HG23	1:97:A:GLU:H	14	0.21
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	7	0.21
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	10	0.21
(1,447)	1:89:A:TYR:H	1:90:A:LEU:H	3	0.21
(1,447)	1:89:A:TYR:H	1:90:A:LEU:H	8	0.21
(1,436)	1:137:A:ILE:HD11	1:140:A:ARG:H	6	0.21
(1,436)	1:137:A:ILE:HD12	1:140:A:ARG:H	6	0.21
(1,436)	1:137:A:ILE:HD13	1:140:A:ARG:H	6	0.21
(1,426)	1:115:A:LEU:HG	1:174:A:VAL:H	5	0.21
(1,423)	1:203:A:TRP:HA	1:203:A:TRP:HD1	5	0.21
(1,408)	1:199:A:GLN:HA	1:203:A:TRP:HD1	13	0.21
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB2	12	0.21
(1,348)	1:186:A:GLU:H	1:187:A:ARG:HB3	12	0.21
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB2	10	0.21
(1,346)	1:183:A:GLY:HA2	1:187:A:ARG:HB3	10	0.21
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB2	10	0.21
(1,346)	1:183:A:GLY:HA3	1:187:A:ARG:HB3	10	0.21
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	3	0.21
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	5	0.21
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	5	0.21
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	5	0.21
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	2	0.21
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG21	11	0.21
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG22	11	0.21
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG23	11	0.21
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	2	0.21
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	2	0.21
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	2	0.21
(1,189)	1:87:A:SER:HA	1:137:A:ILE:HG12	6	0.21
(1,189)	1:87:A:SER:HA	1:137:A:ILE:HG13	6	0.21
(1,179)	1:137:A:ILE:HB	1:138:A:PHE:H	3	0.21
(1,175)	1:87:A:SER:HB2	1:136:A:VAL:H	18	0.21
(1,175)	1:87:A:SER:HB3	1:136:A:VAL:H	18	0.21
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG21	1	0.21
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG22	1	0.21
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG23	1	0.21
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG21	19	0.21
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG22	19	0.21
(1,124)	1:127:A:ASN:HA	1:191:A:THR:HG23	19	0.21
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG21	7	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG22	7	0.21
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG23	7	0.21
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG21	7	0.21
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG22	7	0.21
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG23	7	0.21
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG21	7	0.21
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG22	7	0.21
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG23	7	0.21
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG21	9	0.21
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG22	9	0.21
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG23	9	0.21
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG21	9	0.21
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG22	9	0.21
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG23	9	0.21
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG21	9	0.21
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG22	9	0.21
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG23	9	0.21
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG21	18	0.21
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG22	18	0.21
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG23	18	0.21
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG21	18	0.21
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG22	18	0.21
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG23	18	0.21
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG21	18	0.21
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG22	18	0.21
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG23	18	0.21
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	10	0.21
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	10	0.21
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	10	0.21
(1,14)	1:146:A:LEU:HG	1:161:A:SER:HA	13	0.21
(1,12)	1:133:A:ASN:HB3	1:146:A:LEU:HB2	18	0.21
(1,12)	1:133:A:ASN:HB3	1:146:A:LEU:HB3	18	0.21
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB2	6	0.21
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB3	6	0.21
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB2	6	0.21
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB3	6	0.21
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	1	0.21
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	1	0.21
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	1	0.21
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	1	0.21
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	16	0.2
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	16	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	16	0.2
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	16	0.2
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	16	0.2
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	16	0.2
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	2	0.2
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	2	0.2
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	9	0.2
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	9	0.2
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	9	0.2
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	9	0.2
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	9	0.2
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	9	0.2
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	14	0.2
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	14	0.2
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	14	0.2
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	14	0.2
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB2	6	0.2
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB3	6	0.2
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB2	18	0.2
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB3	18	0.2
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	5	0.2
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	5	0.2
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	5	0.2
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	5	0.2
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	5	0.2
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	5	0.2
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	1	0.2
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	1	0.2
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	1	0.2
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	1	0.2
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	1	0.2
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	1	0.2
(1,1590)	1:124:A:MET:HB2	1:125:A:ASP:HB3	2	0.2
(1,1590)	1:124:A:MET:HB3	1:125:A:ASP:HB3	2	0.2
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB2	13	0.2
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB3	13	0.2
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	3	0.2
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	3	0.2
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	9	0.2
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	9	0.2
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG12	14	0.2
(1,1561)	1:120:A:ASP:H	1:123:A:ILE:HG13	14	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	6	0.2
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	6	0.2
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	6	0.2
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	6	0.2
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	6	0.2
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	6	0.2
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	10	0.2
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	10	0.2
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	10	0.2
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	10	0.2
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	10	0.2
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	10	0.2
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	12	0.2
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	12	0.2
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	12	0.2
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	12	0.2
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	12	0.2
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	12	0.2
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	7	0.2
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	7	0.2
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	4	0.2
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	4	0.2
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	4	0.2
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	4	0.2
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	4	0.2
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	4	0.2
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	11	0.2
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	11	0.2
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB2	18	0.2
(1,1412)	1:96:A:GLU:HG2	1:99:A:SER:HB3	18	0.2
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB2	18	0.2
(1,1412)	1:96:A:GLU:HG3	1:99:A:SER:HB3	18	0.2
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB2	16	0.2
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB3	16	0.2
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB2	16	0.2
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB3	16	0.2
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB2	16	0.2
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB3	16	0.2
(1,1372)	1:90:A:LEU:HD11	1:136:A:VAL:H	19	0.2
(1,1372)	1:90:A:LEU:HD12	1:136:A:VAL:H	19	0.2
(1,1372)	1:90:A:LEU:HD13	1:136:A:VAL:H	19	0.2
(1,1372)	1:90:A:LEU:HD21	1:136:A:VAL:H	19	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:90:A:LEU:HD22	1:136:A:VAL:H	19	0.2
(1,1372)	1:90:A:LEU:HD23	1:136:A:VAL:H	19	0.2
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	2	0.2
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	2	0.2
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	2	0.2
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	2	0.2
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	2	0.2
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	2	0.2
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD11	7	0.2
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD12	7	0.2
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD13	7	0.2
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD21	7	0.2
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD22	7	0.2
(1,1364)	1:89:A:TYR:H	1:90:A:LEU:HD23	7	0.2
(1,1354)	1:88:A:ARG:HB2	1:89:A:TYR:H	10	0.2
(1,1354)	1:88:A:ARG:HB3	1:89:A:TYR:H	10	0.2
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	11	0.2
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	11	0.2
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	11	0.2
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	11	0.2
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	11	0.2
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	11	0.2
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	18	0.2
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	18	0.2
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	18	0.2
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	18	0.2
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	18	0.2
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	18	0.2
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	2	0.2
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	2	0.2
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	2	0.2
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	2	0.2
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	11	0.2
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	18	0.2
(1,1278)	1:180:A:VAL:HA	1:183:A:GLY:H	1	0.2
(1,1278)	1:180:A:VAL:HA	1:183:A:GLY:H	8	0.2
(1,1273)	1:178:A:VAL:HG21	1:179:A:GLY:H	1	0.2
(1,1273)	1:178:A:VAL:HG22	1:179:A:GLY:H	1	0.2
(1,1273)	1:178:A:VAL:HG23	1:179:A:GLY:H	1	0.2
(1,1249)	1:171:A:ASP:H	1:172:A:GLU:HB2	2	0.2
(1,1249)	1:171:A:ASP:H	1:172:A:GLU:HB3	2	0.2
(1,1247)	1:170:A:THR:HG21	1:171:A:ASP:H	3	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1247)	1:170:A:THR:HG22	1:171:A:ASP:H	3	0.2
(1,1247)	1:170:A:THR:HG23	1:171:A:ASP:H	3	0.2
(1,1247)	1:170:A:THR:HG21	1:171:A:ASP:H	7	0.2
(1,1247)	1:170:A:THR:HG22	1:171:A:ASP:H	7	0.2
(1,1247)	1:170:A:THR:HG23	1:171:A:ASP:H	7	0.2
(1,1243)	1:116:A:CYS:HB2	1:161:A:SER:H	6	0.2
(1,1243)	1:116:A:CYS:HB2	1:161:A:SER:H	14	0.2
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	11	0.2
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	2	0.2
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	9	0.2
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	20	0.2
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	20	0.2
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	16	0.2
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	2	0.2
(1,1173)	1:134:A:PHE:H	1:135:A:SER:HA	19	0.2
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	4	0.2
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	5	0.2
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	13	0.2
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	8	0.2
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	15	0.2
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	17	0.2
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	7	0.2
(1,1101)	1:107:A:PRO:HB2	1:108:A:LYS:H	4	0.2
(1,1079)	1:94:A:THR:HG21	1:96:A:GLU:H	2	0.2
(1,1079)	1:94:A:THR:HG22	1:96:A:GLU:H	2	0.2
(1,1079)	1:94:A:THR:HG23	1:96:A:GLU:H	2	0.2
(1,1031)	1:147:A:LEU:HG	1:160:A:ILE:HB	8	0.2
(1,1031)	1:147:A:LEU:HG	1:160:A:ILE:HB	15	0.2
(1,995)	1:197:A:THR:HB	1:198:A:LEU:H	8	0.2
(1,982)	1:194:A:VAL:H	1:194:A:VAL:HB	9	0.2
(1,982)	1:194:A:VAL:H	1:194:A:VAL:HB	14	0.2
(1,978)	1:193:A:ARG:H	1:194:A:VAL:H	15	0.2
(1,977)	1:193:A:ARG:H	1:193:A:ARG:HD2	2	0.2
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	2	0.2
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	9	0.2
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	10	0.2
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	2	0.2
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	6	0.2
(1,954)	1:190:A:ASN:H	1:190:A:ASN:HD21	1	0.2
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	10	0.2
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	11	0.2
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	20	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	20	0.2
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB1	6	0.2
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB2	6	0.2
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB3	6	0.2
(1,850)	1:171:A:ASP:HA	1:175:A:LYS:H	7	0.2
(1,850)	1:171:A:ASP:HA	1:175:A:LYS:H	18	0.2
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	20	0.2
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	3	0.2
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	12	0.2
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	1	0.2
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	2	0.2
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	12	0.2
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	1	0.2
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	1	0.2
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	1	0.2
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	17	0.2
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	17	0.2
(1,738)	1:129:A:ILE:HA	1:150:A:PHE:H	4	0.2
(1,738)	1:129:A:ILE:HA	1:150:A:PHE:H	8	0.2
(1,697)	1:136:A:VAL:HG11	1:137:A:ILE:H	18	0.2
(1,697)	1:136:A:VAL:HG12	1:137:A:ILE:H	18	0.2
(1,697)	1:136:A:VAL:HG13	1:137:A:ILE:H	18	0.2
(1,680)	1:133:A:ASN:HB3	1:134:A:PHE:H	8	0.2
(1,677)	1:132:A:ALA:HB1	1:134:A:PHE:H	4	0.2
(1,677)	1:132:A:ALA:HB2	1:134:A:PHE:H	4	0.2
(1,677)	1:132:A:ALA:HB3	1:134:A:PHE:H	4	0.2
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	4	0.2
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	3	0.2
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	18	0.2
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	19	0.2
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	19	0.2
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	10	0.2
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	2	0.2
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	13	0.2
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	17	0.2
(1,639)	1:127:A:ASN:H	1:152:A:GLU:HG3	3	0.2
(1,624)	1:125:A:ASP:H	1:190:A:ASN:H	15	0.2
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	20	0.2
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	18	0.2
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	20	0.2
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	2	0.2
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	14	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	4	0.2
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	5	0.2
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	4	0.2
(1,553)	1:115:A:LEU:H	1:115:A:LEU:HG	12	0.2
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	2	0.2
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	19	0.2
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	17	0.2
(1,474)	1:94:A:THR:HG21	1:95:A:LEU:H	17	0.2
(1,474)	1:94:A:THR:HG22	1:95:A:LEU:H	17	0.2
(1,474)	1:94:A:THR:HG23	1:95:A:LEU:H	17	0.2
(1,461)	1:91:A:THR:H	1:197:A:THR:HG21	3	0.2
(1,461)	1:91:A:THR:H	1:197:A:THR:HG22	3	0.2
(1,461)	1:91:A:THR:H	1:197:A:THR:HG23	3	0.2
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	16	0.2
(1,447)	1:89:A:TYR:H	1:90:A:LEU:H	11	0.2
(1,427)	1:106:A:MET:H	1:123:A:ILE:H	19	0.2
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	17	0.2
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	17	0.2
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	17	0.2
(1,409)	1:178:A:VAL:HG11	1:203:A:TRP:HE3	18	0.2
(1,409)	1:178:A:VAL:HG12	1:203:A:TRP:HE3	18	0.2
(1,409)	1:178:A:VAL:HG13	1:203:A:TRP:HE3	18	0.2
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB1	18	0.2
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB2	18	0.2
(1,395)	1:199:A:GLN:HA	1:202:A:ALA:HB3	18	0.2
(1,391)	1:196:A:GLU:HA	1:199:A:GLN:H	10	0.2
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	17	0.2
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	17	0.2
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	17	0.2
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	18	0.2
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	18	0.2
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	18	0.2
(1,364)	1:190:A:ASN:HB3	1:191:A:THR:HB	2	0.2
(1,364)	1:190:A:ASN:HB3	1:191:A:THR:HB	16	0.2
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	18	0.2
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	18	0.2
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	18	0.2
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG11	16	0.2
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG12	16	0.2
(1,318)	1:177:A:ALA:HB1	1:178:A:VAL:HG13	16	0.2
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG11	16	0.2
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG12	16	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:177:A:ALA:HB2	1:178:A:VAL:HG13	16	0.2
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG11	16	0.2
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG12	16	0.2
(1,318)	1:177:A:ALA:HB3	1:178:A:VAL:HG13	16	0.2
(1,266)	1:128:A:ILE:HG21	1:157:A:VAL:H	8	0.2
(1,266)	1:128:A:ILE:HG22	1:157:A:VAL:H	8	0.2
(1,266)	1:128:A:ILE:HG23	1:157:A:VAL:H	8	0.2
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	3	0.2
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	3	0.2
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	3	0.2
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	16	0.2
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	16	0.2
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	16	0.2
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD11	8	0.2
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD12	8	0.2
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD13	8	0.2
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD11	8	0.2
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD12	8	0.2
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD13	8	0.2
(1,160)	1:93:A:MET:HE1	1:133:A:ASN:HB3	15	0.2
(1,160)	1:93:A:MET:HE2	1:133:A:ASN:HB3	15	0.2
(1,160)	1:93:A:MET:HE3	1:133:A:ASN:HB3	15	0.2
(1,150)	1:131:A:LYS:HA	1:147:A:LEU:HG	13	0.2
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	8	0.2
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	20	0.2
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	18	0.2
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	7	0.2
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	2	0.2
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	2	0.2
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	2	0.2
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD1	5	0.19
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD2	5	0.19
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD1	5	0.19
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD2	5	0.19
(1,1804)	1:200:A:ARG:H	1:200:A:ARG:HG2	12	0.19
(1,1804)	1:200:A:ARG:H	1:200:A:ARG:HG3	12	0.19
(1,1779)	1:194:A:VAL:HG11	1:200:A:ARG:H	1	0.19
(1,1779)	1:194:A:VAL:HG12	1:200:A:ARG:H	1	0.19
(1,1779)	1:194:A:VAL:HG13	1:200:A:ARG:H	1	0.19
(1,1779)	1:194:A:VAL:HG21	1:200:A:ARG:H	1	0.19
(1,1779)	1:194:A:VAL:HG22	1:200:A:ARG:H	1	0.19
(1,1779)	1:194:A:VAL:HG23	1:200:A:ARG:H	1	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG11	4	0.19
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG12	4	0.19
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG13	4	0.19
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG21	4	0.19
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG22	4	0.19
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG23	4	0.19
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG11	4	0.19
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG12	4	0.19
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG13	4	0.19
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG21	4	0.19
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG22	4	0.19
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG23	4	0.19
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG11	4	0.19
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG12	4	0.19
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG13	4	0.19
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG21	4	0.19
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG22	4	0.19
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG23	4	0.19
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG11	4	0.19
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG12	4	0.19
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG13	4	0.19
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG21	4	0.19
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG22	4	0.19
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG23	4	0.19
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	18	0.19
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	18	0.19
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	18	0.19
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	18	0.19
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	18	0.19
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	18	0.19
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG11	13	0.19
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG12	13	0.19
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG13	13	0.19
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG21	13	0.19
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG22	13	0.19
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG23	13	0.19
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG11	12	0.19
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG12	12	0.19
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG13	12	0.19
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG21	12	0.19
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG22	12	0.19
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG23	12	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	8	0.19
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	8	0.19
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	8	0.19
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	8	0.19
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	8	0.19
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	8	0.19
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	11	0.19
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	11	0.19
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	11	0.19
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	11	0.19
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	11	0.19
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	11	0.19
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	1	0.19
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	1	0.19
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	10	0.19
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	10	0.19
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	1	0.19
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	1	0.19
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	4	0.19
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	4	0.19
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	6	0.19
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	6	0.19
(1,1700)	1:169:A:HIS:HB2	1:170:A:THR:H	6	0.19
(1,1700)	1:169:A:HIS:HB3	1:170:A:THR:H	6	0.19
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	12	0.19
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	12	0.19
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	12	0.19
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	12	0.19
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	12	0.19
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	12	0.19
(1,1653)	1:136:A:VAL:HG11	1:140:A:ARG:H	14	0.19
(1,1653)	1:136:A:VAL:HG12	1:140:A:ARG:H	14	0.19
(1,1653)	1:136:A:VAL:HG13	1:140:A:ARG:H	14	0.19
(1,1653)	1:136:A:VAL:HG21	1:140:A:ARG:H	14	0.19
(1,1653)	1:136:A:VAL:HG22	1:140:A:ARG:H	14	0.19
(1,1653)	1:136:A:VAL:HG23	1:140:A:ARG:H	14	0.19
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	3	0.19
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	3	0.19
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	3	0.19
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	3	0.19
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	3	0.19
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	3	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	11	0.19
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	11	0.19
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	11	0.19
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	11	0.19
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD11	7	0.19
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD12	7	0.19
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD13	7	0.19
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD21	7	0.19
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD22	7	0.19
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD23	7	0.19
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	6	0.19
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	6	0.19
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	6	0.19
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	6	0.19
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG21	15	0.19
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG22	15	0.19
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG23	15	0.19
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG21	15	0.19
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG22	15	0.19
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG23	15	0.19
(1,1543)	1:115:A:LEU:HD11	1:169:A:HIS:HE1	12	0.19
(1,1543)	1:115:A:LEU:HD12	1:169:A:HIS:HE1	12	0.19
(1,1543)	1:115:A:LEU:HD13	1:169:A:HIS:HE1	12	0.19
(1,1543)	1:115:A:LEU:HD21	1:169:A:HIS:HE1	12	0.19
(1,1543)	1:115:A:LEU:HD22	1:169:A:HIS:HE1	12	0.19
(1,1543)	1:115:A:LEU:HD23	1:169:A:HIS:HE1	12	0.19
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD11	4	0.19
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD12	4	0.19
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD13	4	0.19
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD21	4	0.19
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD22	4	0.19
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD23	4	0.19
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG11	2	0.19
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG12	2	0.19
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG13	2	0.19
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG21	2	0.19
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG22	2	0.19
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG23	2	0.19
(1,1479)	1:106:A:MET:HB2	1:123:A:ILE:H	11	0.19
(1,1479)	1:106:A:MET:HB3	1:123:A:ILE:H	11	0.19
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	3	0.19
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	3	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	3	0.19
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	3	0.19
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	3	0.19
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	3	0.19
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	14	0.19
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	14	0.19
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	14	0.19
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	14	0.19
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	14	0.19
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	14	0.19
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	17	0.19
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	17	0.19
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	17	0.19
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	17	0.19
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	17	0.19
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	17	0.19
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	8	0.19
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	8	0.19
(1,1400)	1:95:A:LEU:HD11	1:96:A:GLU:H	12	0.19
(1,1400)	1:95:A:LEU:HD12	1:96:A:GLU:H	12	0.19
(1,1400)	1:95:A:LEU:HD13	1:96:A:GLU:H	12	0.19
(1,1400)	1:95:A:LEU:HD21	1:96:A:GLU:H	12	0.19
(1,1400)	1:95:A:LEU:HD22	1:96:A:GLU:H	12	0.19
(1,1400)	1:95:A:LEU:HD23	1:96:A:GLU:H	12	0.19
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	16	0.19
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	16	0.19
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	16	0.19
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	16	0.19
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	16	0.19
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	16	0.19
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	13	0.19
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	13	0.19
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	13	0.19
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	13	0.19
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	13	0.19
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	13	0.19
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	17	0.19
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	17	0.19
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	17	0.19
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	17	0.19
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	17	0.19
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	17	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG11	12	0.19
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG12	12	0.19
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG13	12	0.19
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG21	12	0.19
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG22	12	0.19
(1,1365)	1:89:A:TYR:H	1:136:A:VAL:HG23	12	0.19
(1,1330)	1:194:A:VAL:HG11	1:203:A:TRP:HD1	8	0.19
(1,1330)	1:194:A:VAL:HG12	1:203:A:TRP:HD1	8	0.19
(1,1330)	1:194:A:VAL:HG13	1:203:A:TRP:HD1	8	0.19
(1,1302)	1:130:A:LEU:HD11	1:195:A:SER:H	19	0.19
(1,1302)	1:130:A:LEU:HD12	1:195:A:SER:H	19	0.19
(1,1302)	1:130:A:LEU:HD13	1:195:A:SER:H	19	0.19
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	2	0.19
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	14	0.19
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	18	0.19
(1,1277)	1:182:A:ILE:H	1:182:A:ILE:HD11	8	0.19
(1,1277)	1:182:A:ILE:H	1:182:A:ILE:HD12	8	0.19
(1,1277)	1:182:A:ILE:H	1:182:A:ILE:HD13	8	0.19
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	20	0.19
(1,1272)	1:178:A:VAL:HG11	1:179:A:GLY:H	18	0.19
(1,1272)	1:178:A:VAL:HG12	1:179:A:GLY:H	18	0.19
(1,1272)	1:178:A:VAL:HG13	1:179:A:GLY:H	18	0.19
(1,1265)	1:173:A:ASP:HA	1:177:A:ALA:H	18	0.19
(1,1247)	1:170:A:THR:HG21	1:171:A:ASP:H	12	0.19
(1,1247)	1:170:A:THR:HG22	1:171:A:ASP:H	12	0.19
(1,1247)	1:170:A:THR:HG23	1:171:A:ASP:H	12	0.19
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	7	0.19
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	9	0.19
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	9	0.19
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	5	0.19
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	13	0.19
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	19	0.19
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	7	0.19
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	20	0.19
(1,1196)	1:132:A:ALA:HA	1:148:A:ARG:H	4	0.19
(1,1192)	1:145:A:ILE:HD11	1:146:A:LEU:H	6	0.19
(1,1192)	1:145:A:ILE:HD12	1:146:A:LEU:H	6	0.19
(1,1192)	1:145:A:ILE:HD13	1:146:A:LEU:H	6	0.19
(1,1192)	1:145:A:ILE:HD11	1:146:A:LEU:H	9	0.19
(1,1192)	1:145:A:ILE:HD12	1:146:A:LEU:H	9	0.19
(1,1192)	1:145:A:ILE:HD13	1:146:A:LEU:H	9	0.19
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE1	5	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE2	5	0.19
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	2	0.19
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	15	0.19
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	5	0.19
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	15	0.19
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	15	0.19
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	15	0.19
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	7	0.19
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	13	0.19
(1,1124)	1:112:A:ALA:HB1	1:117:A:ILE:H	12	0.19
(1,1124)	1:112:A:ALA:HB2	1:117:A:ILE:H	12	0.19
(1,1124)	1:112:A:ALA:HB3	1:117:A:ILE:H	12	0.19
(1,1103)	1:108:A:LYS:H	1:118:A:ARG:HA	17	0.19
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG21	7	0.19
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG22	7	0.19
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG23	7	0.19
(1,1095)	1:102:A:TRP:H	1:102:A:TRP:HE1	9	0.19
(1,1094)	1:101:A:ASP:H	1:102:A:TRP:H	15	0.19
(1,1058)	1:178:A:VAL:HB	1:181:A:LEU:H	1	0.19
(1,1058)	1:178:A:VAL:HB	1:181:A:LEU:H	2	0.19
(1,1031)	1:147:A:LEU:HG	1:160:A:ILE:HB	16	0.19
(1,1018)	1:203:A:TRP:H	1:204:A:ARG:HB2	3	0.19
(1,1018)	1:203:A:TRP:H	1:204:A:ARG:HB3	3	0.19
(1,1013)	1:202:A:ALA:HA	1:203:A:TRP:H	3	0.19
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	15	0.19
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	9	0.19
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	16	0.19
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	16	0.19
(1,933)	1:187:A:ARG:HD2	1:188:A:ASN:H	7	0.19
(1,933)	1:187:A:ARG:HD3	1:188:A:ASN:H	7	0.19
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	10	0.19
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	8	0.19
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	8	0.19
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	15	0.19
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	15	0.19
(1,887)	1:178:A:VAL:HG21	1:181:A:LEU:H	20	0.19
(1,887)	1:178:A:VAL:HG22	1:181:A:LEU:H	20	0.19
(1,887)	1:178:A:VAL:HG23	1:181:A:LEU:H	20	0.19
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	13	0.19
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	13	0.19
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	13	0.19
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB1	19	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB2	19	0.19
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB3	19	0.19
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	11	0.19
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	6	0.19
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	6	0.19
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	7	0.19
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	7	0.19
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	1	0.19
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	8	0.19
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	10	0.19
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	20	0.19
(1,766)	1:151:A:THR:HA	1:154:A:GLY:H	8	0.19
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	14	0.19
(1,703)	1:137:A:ILE:HB	1:140:A:ARG:H	2	0.19
(1,703)	1:137:A:ILE:HB	1:140:A:ARG:H	9	0.19
(1,695)	1:137:A:ILE:H	1:139:A:ASP:HA	13	0.19
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	18	0.19
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	1	0.19
(1,640)	1:127:A:ASN:H	1:153:A:GLU:H	4	0.19
(1,633)	1:127:A:ASN:H	1:127:A:ASN:HD21	7	0.19
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	3	0.19
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	9	0.19
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	17	0.19
(1,589)	1:121:A:GLN:H	1:121:A:GLN:HG2	9	0.19
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	1	0.19
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	9	0.19
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	11	0.19
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	12	0.19
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	14	0.19
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	14	0.19
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	16	0.19
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	10	0.19
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	9	0.19
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	12	0.19
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	9	0.19
(1,506)	1:102:A:TRP:H	1:103:A:PHE:H	9	0.19
(1,477)	1:94:A:THR:H	1:96:A:GLU:H	3	0.19
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	1	0.19
(1,447)	1:89:A:TYR:H	1:90:A:LEU:H	12	0.19
(1,433)	1:109:A:GLN:HG3	1:118:A:ARG:H	11	0.19
(1,408)	1:199:A:GLN:HA	1:203:A:TRP:HD1	17	0.19
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	1	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,391)	1:196:A:GLU:HA	1:199:A:GLN:H	14	0.19
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	10	0.19
(1,364)	1:190:A:ASN:HB3	1:191:A:THR:HB	13	0.19
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	10	0.19
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	10	0.19
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	10	0.19
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	11	0.19
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	11	0.19
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	11	0.19
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	17	0.19
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	17	0.19
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	17	0.19
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	9	0.19
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	7	0.19
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	7	0.19
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	7	0.19
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD11	4	0.19
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD12	4	0.19
(1,244)	1:155:A:ALA:HA	1:156:A:ILE:HD13	4	0.19
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	15	0.19
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	5	0.19
(1,201)	1:146:A:LEU:HA	1:146:A:LEU:HG	7	0.19
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD11	20	0.19
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD12	20	0.19
(1,186)	1:87:A:SER:HB2	1:137:A:ILE:HD13	20	0.19
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD11	20	0.19
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD12	20	0.19
(1,186)	1:87:A:SER:HB3	1:137:A:ILE:HD13	20	0.19
(1,151)	1:92:A:ASP:HA	1:132:A:ALA:H	4	0.19
(1,151)	1:92:A:ASP:HA	1:132:A:ALA:H	13	0.19
(1,150)	1:131:A:LYS:HA	1:147:A:LEU:HG	19	0.19
(1,148)	1:130:A:LEU:HG	1:194:A:VAL:HA	16	0.19
(1,121)	1:125:A:ASP:H	1:188:A:ASN:HB3	16	0.19
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG21	14	0.19
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG22	14	0.19
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG23	14	0.19
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG21	14	0.19
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG22	14	0.19
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG23	14	0.19
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG21	14	0.19
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG22	14	0.19
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG23	14	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	8	0.19
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	8	0.19
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	8	0.19
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD11	14	0.19
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD12	14	0.19
(1,53)	1:102:A:TRP:HA	1:156:A:ILE:HD13	14	0.19
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	16	0.19
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	16	0.19
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	2	0.19
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	3	0.19
(1,36)	1:91:A:THR:HG21	1:133:A:ASN:HB3	12	0.19
(1,36)	1:91:A:THR:HG22	1:133:A:ASN:HB3	12	0.19
(1,36)	1:91:A:THR:HG23	1:133:A:ASN:HB3	12	0.19
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	5	0.19
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	5	0.19
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	5	0.19
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	8	0.19
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	8	0.19
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	8	0.19
(1,17)	1:88:A:ARG:HG2	1:89:A:TYR:H	9	0.19
(1,17)	1:88:A:ARG:HG2	1:89:A:TYR:H	11	0.19
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	3	0.19
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	3	0.19
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	3	0.19
(1,1807)	1:200:A:ARG:HA	1:200:A:ARG:HD2	3	0.18
(1,1807)	1:200:A:ARG:HA	1:200:A:ARG:HD3	3	0.18
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG11	19	0.18
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG12	19	0.18
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG13	19	0.18
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG21	19	0.18
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG22	19	0.18
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG23	19	0.18
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG11	19	0.18
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG12	19	0.18
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG13	19	0.18
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG21	19	0.18
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG22	19	0.18
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG23	19	0.18
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG11	19	0.18
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG12	19	0.18
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG13	19	0.18
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG21	19	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG22	19	0.18
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG23	19	0.18
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	14	0.18
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	14	0.18
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	14	0.18
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	14	0.18
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	14	0.18
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	14	0.18
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	12	0.18
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	12	0.18
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	12	0.18
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	12	0.18
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	12	0.18
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	12	0.18
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	14	0.18
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	14	0.18
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	14	0.18
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	14	0.18
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	14	0.18
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	14	0.18
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG21	9	0.18
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG22	9	0.18
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG23	9	0.18
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG21	9	0.18
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG22	9	0.18
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG23	9	0.18
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	10	0.18
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	10	0.18
(1,1725)	1:176:A:ASN:HB2	1:178:A:VAL:H	18	0.18
(1,1725)	1:176:A:ASN:HB3	1:178:A:VAL:H	18	0.18
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB2	20	0.18
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB3	20	0.18
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB2	20	0.18
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB3	20	0.18
(1,1692)	1:162:A:PRO:HG2	1:163:A:LEU:H	18	0.18
(1,1692)	1:162:A:PRO:HG3	1:163:A:LEU:H	18	0.18
(1,1692)	1:162:A:PRO:HG2	1:163:A:LEU:H	20	0.18
(1,1692)	1:162:A:PRO:HG3	1:163:A:LEU:H	20	0.18
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	6	0.18
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	6	0.18
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	6	0.18
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	6	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	6	0.18
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	6	0.18
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	8	0.18
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	8	0.18
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG12	8	0.18
(1,1645)	1:134:A:PHE:HD1	1:145:A:ILE:HG13	8	0.18
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG12	8	0.18
(1,1645)	1:134:A:PHE:HD2	1:145:A:ILE:HG13	8	0.18
(1,1615)	1:128:A:ILE:HG12	1:152:A:GLU:H	8	0.18
(1,1615)	1:128:A:ILE:HG13	1:152:A:GLU:H	8	0.18
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	10	0.18
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	10	0.18
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	11	0.18
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	11	0.18
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG21	10	0.18
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG22	10	0.18
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG23	10	0.18
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG21	10	0.18
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG22	10	0.18
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG23	10	0.18
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD11	17	0.18
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD12	17	0.18
(1,1536)	1:115:A:LEU:HD11	1:117:A:ILE:HD13	17	0.18
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD11	17	0.18
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD12	17	0.18
(1,1536)	1:115:A:LEU:HD12	1:117:A:ILE:HD13	17	0.18
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD11	17	0.18
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD12	17	0.18
(1,1536)	1:115:A:LEU:HD13	1:117:A:ILE:HD13	17	0.18
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD11	17	0.18
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD12	17	0.18
(1,1536)	1:115:A:LEU:HD21	1:117:A:ILE:HD13	17	0.18
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD11	17	0.18
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD12	17	0.18
(1,1536)	1:115:A:LEU:HD22	1:117:A:ILE:HD13	17	0.18
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD11	17	0.18
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD12	17	0.18
(1,1536)	1:115:A:LEU:HD23	1:117:A:ILE:HD13	17	0.18
(1,1535)	1:115:A:LEU:HD11	1:116:A:CYS:H	3	0.18
(1,1535)	1:115:A:LEU:HD12	1:116:A:CYS:H	3	0.18
(1,1535)	1:115:A:LEU:HD13	1:116:A:CYS:H	3	0.18
(1,1535)	1:115:A:LEU:HD21	1:116:A:CYS:H	3	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:115:A:LEU:HD22	1:116:A:CYS:H	3	0.18
(1,1535)	1:115:A:LEU:HD23	1:116:A:CYS:H	3	0.18
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD2	9	0.18
(1,1509)	1:110:A:LYS:HA	1:110:A:LYS:HD3	9	0.18
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG2	2	0.18
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG3	2	0.18
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG2	17	0.18
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG3	17	0.18
(1,1480)	1:107:A:PRO:HD2	1:108:A:LYS:H	13	0.18
(1,1480)	1:107:A:PRO:HD3	1:108:A:LYS:H	13	0.18
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	9	0.18
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	9	0.18
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	9	0.18
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	9	0.18
(1,1473)	1:106:A:MET:H	1:107:A:PRO:HD2	13	0.18
(1,1473)	1:106:A:MET:H	1:107:A:PRO:HD3	13	0.18
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	15	0.18
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	15	0.18
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	20	0.18
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	20	0.18
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	5	0.18
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	5	0.18
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	15	0.18
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	15	0.18
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	15	0.18
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	15	0.18
(1,1361)	1:88:A:ARG:HD2	1:89:A:TYR:H	13	0.18
(1,1361)	1:88:A:ARG:HD3	1:89:A:TYR:H	13	0.18
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD11	15	0.18
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD12	15	0.18
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD13	15	0.18
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD11	15	0.18
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD12	15	0.18
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD13	15	0.18
(1,1331)	1:178:A:VAL:HB	1:203:A:TRP:HE3	18	0.18
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	20	0.18
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	11	0.18
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	12	0.18
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	19	0.18
(1,1278)	1:180:A:VAL:HA	1:183:A:GLY:H	12	0.18
(1,1277)	1:182:A:ILE:H	1:182:A:ILE:HD11	2	0.18
(1,1277)	1:182:A:ILE:H	1:182:A:ILE:HD12	2	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:182:A:ILE:H	1:182:A:ILE:HD13	2	0.18
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	5	0.18
(1,1272)	1:178:A:VAL:HG11	1:179:A:GLY:H	13	0.18
(1,1272)	1:178:A:VAL:HG12	1:179:A:GLY:H	13	0.18
(1,1272)	1:178:A:VAL:HG13	1:179:A:GLY:H	13	0.18
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	2	0.18
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	7	0.18
(1,1247)	1:170:A:THR:HG21	1:171:A:ASP:H	15	0.18
(1,1247)	1:170:A:THR:HG22	1:171:A:ASP:H	15	0.18
(1,1247)	1:170:A:THR:HG23	1:171:A:ASP:H	15	0.18
(1,1243)	1:116:A:CYS:HB2	1:161:A:SER:H	17	0.18
(1,1232)	1:156:A:ILE:HB	1:158:A:GLY:H	4	0.18
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	18	0.18
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	18	0.18
(1,1208)	1:128:A:ILE:HG21	1:151:A:THR:H	8	0.18
(1,1208)	1:128:A:ILE:HG22	1:151:A:THR:H	8	0.18
(1,1208)	1:128:A:ILE:HG23	1:151:A:THR:H	8	0.18
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD21	14	0.18
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD22	14	0.18
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD23	14	0.18
(1,1199)	1:148:A:ARG:H	1:149:A:ALA:HA	12	0.18
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	10	0.18
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	13	0.18
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	18	0.18
(1,1174)	1:134:A:PHE:HD1	1:135:A:SER:H	13	0.18
(1,1174)	1:134:A:PHE:HD2	1:135:A:SER:H	13	0.18
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	7	0.18
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	10	0.18
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	10	0.18
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	10	0.18
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	14	0.18
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	14	0.18
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	14	0.18
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	8	0.18
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	1	0.18
(1,1124)	1:112:A:ALA:HB1	1:117:A:ILE:H	2	0.18
(1,1124)	1:112:A:ALA:HB2	1:117:A:ILE:H	2	0.18
(1,1124)	1:112:A:ALA:HB3	1:117:A:ILE:H	2	0.18
(1,1092)	1:100:A:ARG:H	1:156:A:ILE:HD11	11	0.18
(1,1092)	1:100:A:ARG:H	1:156:A:ILE:HD12	11	0.18
(1,1092)	1:100:A:ARG:H	1:156:A:ILE:HD13	11	0.18
(1,1083)	1:94:A:THR:H	1:98:A:MET:H	10	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:89:A:TYR:HD1	1:90:A:LEU:H	20	0.18
(1,1063)	1:89:A:TYR:HD2	1:90:A:LEU:H	20	0.18
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG2	6	0.18
(1,1049)	1:137:A:ILE:H	1:142:A:GLU:HG3	6	0.18
(1,1048)	1:130:A:LEU:H	1:192:A:VAL:HA	12	0.18
(1,1046)	1:105:A:LEU:HB2	1:123:A:ILE:H	13	0.18
(1,1046)	1:105:A:LEU:HB2	1:123:A:ILE:H	20	0.18
(1,1024)	1:178:A:VAL:HA	1:182:A:ILE:HB	12	0.18
(1,1018)	1:203:A:TRP:H	1:204:A:ARG:HB2	15	0.18
(1,1018)	1:203:A:TRP:H	1:204:A:ARG:HB3	15	0.18
(1,982)	1:194:A:VAL:H	1:194:A:VAL:HB	11	0.18
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	6	0.18
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	16	0.18
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	11	0.18
(1,967)	1:186:A:GLU:HA	1:192:A:VAL:H	11	0.18
(1,966)	1:191:A:THR:H	1:191:A:THR:HG21	1	0.18
(1,966)	1:191:A:THR:H	1:191:A:THR:HG22	1	0.18
(1,966)	1:191:A:THR:H	1:191:A:THR:HG23	1	0.18
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	16	0.18
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	4	0.18
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	6	0.18
(1,948)	1:188:A:ASN:HB3	1:190:A:ASN:H	18	0.18
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	4	0.18
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	6	0.18
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	20	0.18
(1,916)	1:185:A:LEU:H	1:185:A:LEU:HB2	4	0.18
(1,916)	1:185:A:LEU:H	1:185:A:LEU:HB2	20	0.18
(1,912)	1:181:A:LEU:HA	1:185:A:LEU:H	17	0.18
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	14	0.18
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	14	0.18
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	16	0.18
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG21	1	0.18
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG22	1	0.18
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG23	1	0.18
(1,856)	1:173:A:ASP:HA	1:176:A:ASN:H	11	0.18
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	2	0.18
(1,814)	1:117:A:ILE:HA	1:161:A:SER:H	19	0.18
(1,807)	1:159:A:GLU:H	1:181:A:LEU:HD21	9	0.18
(1,807)	1:159:A:GLU:H	1:181:A:LEU:HD22	9	0.18
(1,807)	1:159:A:GLU:H	1:181:A:LEU:HD23	9	0.18
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	2	0.18
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	5	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	15	0.18
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	16	0.18
(1,789)	1:150:A:PHE:HA	1:158:A:GLY:H	2	0.18
(1,783)	1:155:A:ALA:HB1	1:157:A:VAL:H	7	0.18
(1,783)	1:155:A:ALA:HB2	1:157:A:VAL:H	7	0.18
(1,783)	1:155:A:ALA:HB3	1:157:A:VAL:H	7	0.18
(1,770)	1:150:A:PHE:HA	1:155:A:ALA:H	10	0.18
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB1	4	0.18
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB2	4	0.18
(1,769)	1:154:A:GLY:H	1:155:A:ALA:HB3	4	0.18
(1,760)	1:151:A:THR:HA	1:153:A:GLU:H	16	0.18
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	6	0.18
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	20	0.18
(1,738)	1:129:A:ILE:HA	1:150:A:PHE:H	16	0.18
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	3	0.18
(1,716)	1:146:A:LEU:H	1:146:A:LEU:HG	6	0.18
(1,680)	1:133:A:ASN:HB3	1:134:A:PHE:H	2	0.18
(1,679)	1:133:A:ASN:HB2	1:134:A:PHE:H	15	0.18
(1,677)	1:132:A:ALA:HB1	1:134:A:PHE:H	18	0.18
(1,677)	1:132:A:ALA:HB2	1:134:A:PHE:H	18	0.18
(1,677)	1:132:A:ALA:HB3	1:134:A:PHE:H	18	0.18
(1,670)	1:92:A:ASP:H	1:133:A:ASN:H	11	0.18
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	2	0.18
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	9	0.18
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	11	0.18
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	11	0.18
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	6	0.18
(1,652)	1:128:A:ILE:H	1:192:A:VAL:HA	4	0.18
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	4	0.18
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	10	0.18
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	12	0.18
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	4	0.18
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	6	0.18
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	17	0.18
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	14	0.18
(1,577)	1:120:A:ASP:H	1:123:A:ILE:HG12	17	0.18
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	13	0.18
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	18	0.18
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	19	0.18
(1,553)	1:115:A:LEU:H	1:115:A:LEU:HG	16	0.18
(1,545)	1:111:A:VAL:HB	1:112:A:ALA:H	8	0.18
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	8	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	11	0.18
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	14	0.18
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	8	0.18
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	3	0.18
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	4	0.18
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	1	0.18
(1,508)	1:102:A:TRP:H	1:156:A:ILE:HD11	19	0.18
(1,508)	1:102:A:TRP:H	1:156:A:ILE:HD12	19	0.18
(1,508)	1:102:A:TRP:H	1:156:A:ILE:HD13	19	0.18
(1,500)	1:101:A:ASP:H	1:156:A:ILE:HD11	8	0.18
(1,500)	1:101:A:ASP:H	1:156:A:ILE:HD12	8	0.18
(1,500)	1:101:A:ASP:H	1:156:A:ILE:HD13	8	0.18
(1,488)	1:98:A:MET:H	1:98:A:MET:HG3	18	0.18
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	6	0.18
(1,474)	1:94:A:THR:HG21	1:95:A:LEU:H	20	0.18
(1,474)	1:94:A:THR:HG22	1:95:A:LEU:H	20	0.18
(1,474)	1:94:A:THR:HG23	1:95:A:LEU:H	20	0.18
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	17	0.18
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	20	0.18
(1,465)	1:92:A:ASP:H	1:93:A:MET:HB3	8	0.18
(1,460)	1:91:A:THR:H	1:92:A:ASP:HA	17	0.18
(1,447)	1:89:A:TYR:H	1:90:A:LEU:H	18	0.18
(1,426)	1:115:A:LEU:HG	1:174:A:VAL:H	17	0.18
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	12	0.18
(1,410)	1:178:A:VAL:HG21	1:203:A:TRP:HE3	3	0.18
(1,410)	1:178:A:VAL:HG22	1:203:A:TRP:HE3	3	0.18
(1,410)	1:178:A:VAL:HG23	1:203:A:TRP:HE3	3	0.18
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG21	10	0.18
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG22	10	0.18
(1,386)	1:196:A:GLU:HB2	1:197:A:THR:HG23	10	0.18
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	1	0.18
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	20	0.18
(1,344)	1:181:A:LEU:HG	1:185:A:LEU:H	16	0.18
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	17	0.18
(1,337)	1:182:A:ILE:HA	1:192:A:VAL:HG11	20	0.18
(1,337)	1:182:A:ILE:HA	1:192:A:VAL:HG12	20	0.18
(1,337)	1:182:A:ILE:HA	1:192:A:VAL:HG13	20	0.18
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	12	0.18
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	12	0.18
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	12	0.18
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	16	0.18
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	16	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	16	0.18
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	7	0.18
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB1	8	0.18
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB2	8	0.18
(1,313)	1:115:A:LEU:HG	1:177:A:ALA:HB3	8	0.18
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	15	0.18
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	15	0.18
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	15	0.18
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	1	0.18
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	1	0.18
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	1	0.18
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	10	0.18
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	10	0.18
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	10	0.18
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	10	0.18
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	10	0.18
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	10	0.18
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	17	0.18
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	17	0.18
(1,80)	1:112:A:ALA:HB1	1:115:A:LEU:HB2	8	0.18
(1,80)	1:112:A:ALA:HB2	1:115:A:LEU:HB2	8	0.18
(1,80)	1:112:A:ALA:HB3	1:115:A:LEU:HB2	8	0.18
(1,60)	1:102:A:TRP:HE1	1:156:A:ILE:HD11	19	0.18
(1,60)	1:102:A:TRP:HE1	1:156:A:ILE:HD12	19	0.18
(1,60)	1:102:A:TRP:HE1	1:156:A:ILE:HD13	19	0.18
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	14	0.18
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	14	0.18
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	1	0.18
(1,44)	1:95:A:LEU:HB3	1:96:A:GLU:HA	12	0.18
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG21	9	0.18
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG22	9	0.18
(1,30)	1:90:A:LEU:HD21	1:197:A:THR:HG23	9	0.18
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG21	9	0.18
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG22	9	0.18
(1,30)	1:90:A:LEU:HD22	1:197:A:THR:HG23	9	0.18
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG21	9	0.18
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG22	9	0.18
(1,30)	1:90:A:LEU:HD23	1:197:A:THR:HG23	9	0.18
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG2	6	0.18
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG3	6	0.18
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	3	0.18
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	3	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	3	0.18
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	3	0.18
(1,1766)	1:185:A:LEU:HD11	1:193:A:ARG:H	9	0.17
(1,1766)	1:185:A:LEU:HD12	1:193:A:ARG:H	9	0.17
(1,1766)	1:185:A:LEU:HD13	1:193:A:ARG:H	9	0.17
(1,1766)	1:185:A:LEU:HD21	1:193:A:ARG:H	9	0.17
(1,1766)	1:185:A:LEU:HD22	1:193:A:ARG:H	9	0.17
(1,1766)	1:185:A:LEU:HD23	1:193:A:ARG:H	9	0.17
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	11	0.17
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	11	0.17
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	11	0.17
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	11	0.17
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	11	0.17
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	11	0.17
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	2	0.17
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	2	0.17
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	2	0.17
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	2	0.17
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	2	0.17
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	2	0.17
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	15	0.17
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	15	0.17
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	15	0.17
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	15	0.17
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	15	0.17
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	15	0.17
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	13	0.17
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	13	0.17
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	19	0.17
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	19	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG11	6	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG12	6	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG13	6	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG21	6	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG22	6	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG23	6	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG11	10	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG12	10	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG13	10	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG21	10	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG22	10	0.17
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG23	10	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1726)	1:176:A:ASN:HB2	1:180:A:VAL:H	6	0.17
(1,1726)	1:176:A:ASN:HB3	1:180:A:VAL:H	6	0.17
(1,1705)	1:171:A:ASP:HB2	1:172:A:GLU:HA	14	0.17
(1,1705)	1:171:A:ASP:HB3	1:172:A:GLU:HA	14	0.17
(1,1705)	1:171:A:ASP:HB2	1:172:A:GLU:HA	19	0.17
(1,1705)	1:171:A:ASP:HB3	1:172:A:GLU:HA	19	0.17
(1,1684)	1:153:A:GLU:HG2	1:154:A:GLY:H	4	0.17
(1,1684)	1:153:A:GLU:HG3	1:154:A:GLY:H	4	0.17
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	18	0.17
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	18	0.17
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	18	0.17
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	18	0.17
(1,1653)	1:136:A:VAL:HG11	1:140:A:ARG:H	7	0.17
(1,1653)	1:136:A:VAL:HG12	1:140:A:ARG:H	7	0.17
(1,1653)	1:136:A:VAL:HG13	1:140:A:ARG:H	7	0.17
(1,1653)	1:136:A:VAL:HG21	1:140:A:ARG:H	7	0.17
(1,1653)	1:136:A:VAL:HG22	1:140:A:ARG:H	7	0.17
(1,1653)	1:136:A:VAL:HG23	1:140:A:ARG:H	7	0.17
(1,1649)	1:136:A:VAL:HG11	1:137:A:ILE:H	18	0.17
(1,1649)	1:136:A:VAL:HG12	1:137:A:ILE:H	18	0.17
(1,1649)	1:136:A:VAL:HG13	1:137:A:ILE:H	18	0.17
(1,1649)	1:136:A:VAL:HG21	1:137:A:ILE:H	18	0.17
(1,1649)	1:136:A:VAL:HG22	1:137:A:ILE:H	18	0.17
(1,1649)	1:136:A:VAL:HG23	1:137:A:ILE:H	18	0.17
(1,1640)	1:131:A:LYS:HB2	1:150:A:PHE:H	6	0.17
(1,1640)	1:131:A:LYS:HB3	1:150:A:PHE:H	6	0.17
(1,1622)	1:129:A:ILE:HD11	1:193:A:ARG:HB2	11	0.17
(1,1622)	1:129:A:ILE:HD11	1:193:A:ARG:HB3	11	0.17
(1,1622)	1:129:A:ILE:HD12	1:193:A:ARG:HB2	11	0.17
(1,1622)	1:129:A:ILE:HD12	1:193:A:ARG:HB3	11	0.17
(1,1622)	1:129:A:ILE:HD13	1:193:A:ARG:HB2	11	0.17
(1,1622)	1:129:A:ILE:HD13	1:193:A:ARG:HB3	11	0.17
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD11	10	0.17
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD12	10	0.17
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD13	10	0.17
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD21	10	0.17
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD22	10	0.17
(1,1610)	1:128:A:ILE:HB	1:185:A:LEU:HD23	10	0.17
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG12	5	0.17
(1,1574)	1:122:A:ALA:HA	1:123:A:ILE:HG13	5	0.17
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG21	9	0.17
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG22	9	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG23	9	0.17
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG21	9	0.17
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG22	9	0.17
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG23	9	0.17
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	8	0.17
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	8	0.17
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	13	0.17
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	13	0.17
(1,1551)	1:118:A:ARG:H	1:118:A:ARG:HG2	5	0.17
(1,1551)	1:118:A:ARG:H	1:118:A:ARG:HG3	5	0.17
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD11	3	0.17
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD12	3	0.17
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD13	3	0.17
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD21	3	0.17
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD22	3	0.17
(1,1532)	1:114:A:SER:HA	1:115:A:LEU:HD23	3	0.17
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	17	0.17
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	17	0.17
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG2	12	0.17
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG3	12	0.17
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG2	19	0.17
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG3	19	0.17
(1,1493)	1:108:A:LYS:HG2	1:119:A:MET:H	2	0.17
(1,1493)	1:108:A:LYS:HG3	1:119:A:MET:H	2	0.17
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	13	0.17
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	13	0.17
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG2	9	0.17
(1,1482)	1:108:A:LYS:H	1:121:A:GLN:HG3	9	0.17
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	11	0.17
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	11	0.17
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	11	0.17
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	11	0.17
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	11	0.17
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	11	0.17
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	2	0.17
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	2	0.17
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	2	0.17
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	2	0.17
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	5	0.17
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	5	0.17
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	16	0.17
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	16	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	3	0.17
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	3	0.17
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	3	0.17
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	3	0.17
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	3	0.17
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	3	0.17
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	15	0.17
(1,1306)	1:195:A:SER:H	1:196:A:GLU:H	17	0.17
(1,1273)	1:178:A:VAL:HG21	1:179:A:GLY:H	14	0.17
(1,1273)	1:178:A:VAL:HG22	1:179:A:GLY:H	14	0.17
(1,1273)	1:178:A:VAL:HG23	1:179:A:GLY:H	14	0.17
(1,1272)	1:178:A:VAL:HG11	1:179:A:GLY:H	11	0.17
(1,1272)	1:178:A:VAL:HG12	1:179:A:GLY:H	11	0.17
(1,1272)	1:178:A:VAL:HG13	1:179:A:GLY:H	11	0.17
(1,1265)	1:173:A:ASP:HA	1:177:A:ALA:H	13	0.17
(1,1249)	1:171:A:ASP:H	1:172:A:GLU:HB2	12	0.17
(1,1249)	1:171:A:ASP:H	1:172:A:GLU:HB3	12	0.17
(1,1244)	1:165:A:SER:HA	1:166:A:LEU:H	6	0.17
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	4	0.17
(1,1216)	1:152:A:GLU:H	1:152:A:GLU:HB3	4	0.17
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	8	0.17
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	19	0.17
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	12	0.17
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	12	0.17
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	12	0.17
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	6	0.17
(1,1173)	1:134:A:PHE:H	1:135:A:SER:HA	17	0.17
(1,1170)	1:133:A:ASN:H	1:145:A:ILE:HB	18	0.17
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	11	0.17
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	18	0.17
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	9	0.17
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	16	0.17
(1,1104)	1:108:A:LYS:H	1:121:A:GLN:H	10	0.17
(1,1101)	1:107:A:PRO:HB2	1:108:A:LYS:H	2	0.17
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG21	2	0.17
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG22	2	0.17
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG23	2	0.17
(1,1088)	1:98:A:MET:HB2	1:99:A:SER:H	8	0.17
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	6	0.17
(1,1079)	1:94:A:THR:HG21	1:96:A:GLU:H	3	0.17
(1,1079)	1:94:A:THR:HG22	1:96:A:GLU:H	3	0.17
(1,1079)	1:94:A:THR:HG23	1:96:A:GLU:H	3	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1079)	1:94:A:THR:HG21	1:96:A:GLU:H	8	0.17
(1,1079)	1:94:A:THR:HG22	1:96:A:GLU:H	8	0.17
(1,1079)	1:94:A:THR:HG23	1:96:A:GLU:H	8	0.17
(1,1058)	1:178:A:VAL:HB	1:181:A:LEU:H	3	0.17
(1,1052)	1:138:A:PHE:HB2	1:140:A:ARG:H	9	0.17
(1,1052)	1:138:A:PHE:HB3	1:140:A:ARG:H	9	0.17
(1,1014)	1:202:A:ALA:HB1	1:203:A:TRP:H	1	0.17
(1,1014)	1:202:A:ALA:HB2	1:203:A:TRP:H	1	0.17
(1,1014)	1:202:A:ALA:HB3	1:203:A:TRP:H	1	0.17
(1,1013)	1:202:A:ALA:HA	1:203:A:TRP:H	12	0.17
(1,981)	1:193:A:ARG:HG3	1:194:A:VAL:H	16	0.17
(1,977)	1:193:A:ARG:H	1:193:A:ARG:HD2	9	0.17
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	12	0.17
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	14	0.17
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	12	0.17
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	1	0.17
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	2	0.17
(1,927)	1:186:A:GLU:H	1:190:A:ASN:H	17	0.17
(1,916)	1:185:A:LEU:H	1:185:A:LEU:HB2	9	0.17
(1,916)	1:185:A:LEU:H	1:185:A:LEU:HB2	12	0.17
(1,916)	1:185:A:LEU:H	1:185:A:LEU:HB2	14	0.17
(1,916)	1:185:A:LEU:H	1:185:A:LEU:HB2	18	0.17
(1,905)	1:183:A:GLY:H	1:186:A:GLU:H	12	0.17
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	3	0.17
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	16	0.17
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	16	0.17
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	16	0.17
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG21	19	0.17
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG22	19	0.17
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG23	19	0.17
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	15	0.17
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG21	1	0.17
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG22	1	0.17
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG23	1	0.17
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG21	14	0.17
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG22	14	0.17
(1,853)	1:175:A:LYS:H	1:178:A:VAL:HG23	14	0.17
(1,850)	1:171:A:ASP:HA	1:175:A:LYS:H	10	0.17
(1,843)	1:172:A:GLU:HB2	1:173:A:ASP:H	6	0.17
(1,843)	1:172:A:GLU:HB3	1:173:A:ASP:H	6	0.17
(1,826)	1:169:A:HIS:HB3	1:170:A:THR:H	4	0.17
(1,821)	1:114:A:SER:HA	1:163:A:LEU:H	11	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:160:A:ILE:HB	1:161:A:SER:H	17	0.17
(1,814)	1:117:A:ILE:HA	1:161:A:SER:H	13	0.17
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	3	0.17
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	9	0.17
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	11	0.17
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	12	0.17
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	9	0.17
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	15	0.17
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	2	0.17
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	3	0.17
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	5	0.17
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	7	0.17
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	11	0.17
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	12	0.17
(1,718)	1:146:A:LEU:HB2	1:147:A:LEU:H	5	0.17
(1,718)	1:146:A:LEU:HB3	1:147:A:LEU:H	5	0.17
(1,718)	1:146:A:LEU:HB2	1:147:A:LEU:H	20	0.17
(1,718)	1:146:A:LEU:HB3	1:147:A:LEU:H	20	0.17
(1,680)	1:133:A:ASN:HB3	1:134:A:PHE:H	4	0.17
(1,680)	1:133:A:ASN:HB3	1:134:A:PHE:H	7	0.17
(1,669)	1:132:A:ALA:H	1:134:A:PHE:HD1	13	0.17
(1,669)	1:132:A:ALA:H	1:134:A:PHE:HD2	13	0.17
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	15	0.17
(1,663)	1:130:A:LEU:H	1:195:A:SER:H	7	0.17
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	6	0.17
(1,628)	1:126:A:LYS:H	1:190:A:ASN:HB2	16	0.17
(1,627)	1:126:A:LYS:H	1:190:A:ASN:HA	2	0.17
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	5	0.17
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	16	0.17
(1,619)	1:124:A:MET:HB2	1:125:A:ASP:H	2	0.17
(1,585)	1:119:A:MET:H	1:121:A:GLN:H	13	0.17
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	4	0.17
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	3	0.17
(1,564)	1:117:A:ILE:HG21	1:119:A:MET:H	15	0.17
(1,564)	1:117:A:ILE:HG22	1:119:A:MET:H	15	0.17
(1,564)	1:117:A:ILE:HG23	1:119:A:MET:H	15	0.17
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	2	0.17
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	2	0.17
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	2	0.17
(1,545)	1:111:A:VAL:HB	1:112:A:ALA:H	20	0.17
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	4	0.17
(1,543)	1:111:A:VAL:H	1:112:A:ALA:H	6	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	15	0.17
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	7	0.17
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	10	0.17
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	6	0.17
(1,528)	1:105:A:LEU:HD11	1:106:A:MET:H	7	0.17
(1,528)	1:105:A:LEU:HD12	1:106:A:MET:H	7	0.17
(1,528)	1:105:A:LEU:HD13	1:106:A:MET:H	7	0.17
(1,528)	1:105:A:LEU:HD11	1:106:A:MET:H	19	0.17
(1,528)	1:105:A:LEU:HD12	1:106:A:MET:H	19	0.17
(1,528)	1:105:A:LEU:HD13	1:106:A:MET:H	19	0.17
(1,493)	1:98:A:MET:HG3	1:99:A:SER:H	16	0.17
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	11	0.17
(1,474)	1:94:A:THR:HG21	1:95:A:LEU:H	16	0.17
(1,474)	1:94:A:THR:HG22	1:95:A:LEU:H	16	0.17
(1,474)	1:94:A:THR:HG23	1:95:A:LEU:H	16	0.17
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	6	0.17
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	10	0.17
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	16	0.17
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	18	0.17
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD21	20	0.17
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD22	20	0.17
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD23	20	0.17
(1,447)	1:89:A:TYR:H	1:90:A:LEU:H	5	0.17
(1,407)	1:194:A:VAL:HG21	1:203:A:TRP:HD1	8	0.17
(1,407)	1:194:A:VAL:HG22	1:203:A:TRP:HD1	8	0.17
(1,407)	1:194:A:VAL:HG23	1:203:A:TRP:HD1	8	0.17
(1,375)	1:193:A:ARG:H	1:193:A:ARG:HD3	4	0.17
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	8	0.17
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	8	0.17
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	8	0.17
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	20	0.17
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	20	0.17
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	20	0.17
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	1	0.17
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	12	0.17
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	13	0.17
(1,322)	1:112:A:ALA:HB1	1:180:A:VAL:H	16	0.17
(1,322)	1:112:A:ALA:HB2	1:180:A:VAL:H	16	0.17
(1,322)	1:112:A:ALA:HB3	1:180:A:VAL:H	16	0.17
(1,301)	1:172:A:GLU:HG2	1:173:A:ASP:H	13	0.17
(1,301)	1:172:A:GLU:HG3	1:173:A:ASP:H	13	0.17
(1,289)	1:115:A:LEU:HD21	1:162:A:PRO:HA	20	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:115:A:LEU:HD22	1:162:A:PRO:HA	20	0.17
(1,289)	1:115:A:LEU:HD23	1:162:A:PRO:HA	20	0.17
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	6	0.17
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	6	0.17
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	6	0.17
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	10	0.17
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	10	0.17
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	10	0.17
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	20	0.17
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	20	0.17
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	20	0.17
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	6	0.17
(1,219)	1:150:A:PHE:HA	1:155:A:ALA:HB1	19	0.17
(1,219)	1:150:A:PHE:HA	1:155:A:ALA:HB2	19	0.17
(1,219)	1:150:A:PHE:HA	1:155:A:ALA:HB3	19	0.17
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	10	0.17
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	16	0.17
(1,106)	1:122:A:ALA:H	1:123:A:ILE:HB	18	0.17
(1,84)	1:115:A:LEU:HG	1:173:A:ASP:HA	16	0.17
(1,76)	1:111:A:VAL:HA	1:117:A:ILE:HD11	5	0.17
(1,76)	1:111:A:VAL:HA	1:117:A:ILE:HD12	5	0.17
(1,76)	1:111:A:VAL:HA	1:117:A:ILE:HD13	5	0.17
(1,49)	1:98:A:MET:HB3	1:99:A:SER:H	4	0.17
(1,27)	1:90:A:LEU:HD11	1:197:A:THR:HB	4	0.17
(1,27)	1:90:A:LEU:HD12	1:197:A:THR:HB	4	0.17
(1,27)	1:90:A:LEU:HD13	1:197:A:THR:HB	4	0.17
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	9	0.17
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	9	0.17
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	9	0.17
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD11	16	0.17
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD12	16	0.17
(1,22)	1:89:A:TYR:HE1	1:145:A:ILE:HD13	16	0.17
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD11	16	0.17
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD12	16	0.17
(1,22)	1:89:A:TYR:HE2	1:145:A:ILE:HD13	16	0.17
(1,2)	1:136:A:VAL:HA	1:142:A:GLU:H	15	0.17
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG11	1	0.16
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG12	1	0.16
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG13	1	0.16
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG21	1	0.16
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG22	1	0.16
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG23	1	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG11	1	0.16
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG12	1	0.16
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG13	1	0.16
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG21	1	0.16
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG22	1	0.16
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG23	1	0.16
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG11	1	0.16
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG12	1	0.16
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG13	1	0.16
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG21	1	0.16
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG22	1	0.16
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG23	1	0.16
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG11	4	0.16
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG12	4	0.16
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG13	4	0.16
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG21	4	0.16
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG22	4	0.16
(1,1748)	1:185:A:LEU:H	1:192:A:VAL:HG23	4	0.16
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG11	7	0.16
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG12	7	0.16
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG13	7	0.16
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG21	7	0.16
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG22	7	0.16
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG23	7	0.16
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	15	0.16
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	15	0.16
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	19	0.16
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	19	0.16
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG11	13	0.16
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG12	13	0.16
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG13	13	0.16
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG21	13	0.16
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG22	13	0.16
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG23	13	0.16
(1,1725)	1:176:A:ASN:HB2	1:178:A:VAL:H	13	0.16
(1,1725)	1:176:A:ASN:HB3	1:178:A:VAL:H	13	0.16
(1,1705)	1:171:A:ASP:HB2	1:172:A:GLU:HA	8	0.16
(1,1705)	1:171:A:ASP:HB3	1:172:A:GLU:HA	8	0.16
(1,1689)	1:159:A:GLU:HG2	1:160:A:ILE:HG21	19	0.16
(1,1689)	1:159:A:GLU:HG2	1:160:A:ILE:HG22	19	0.16
(1,1689)	1:159:A:GLU:HG2	1:160:A:ILE:HG23	19	0.16
(1,1689)	1:159:A:GLU:HG3	1:160:A:ILE:HG21	19	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1689)	1:159:A:GLU:HG3	1:160:A:ILE:HG22	19	0.16
(1,1689)	1:159:A:GLU:HG3	1:160:A:ILE:HG23	19	0.16
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	15	0.16
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	15	0.16
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	15	0.16
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	15	0.16
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	15	0.16
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	15	0.16
(1,1640)	1:131:A:LYS:HB2	1:150:A:PHE:H	9	0.16
(1,1640)	1:131:A:LYS:HB3	1:150:A:PHE:H	9	0.16
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	7	0.16
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	7	0.16
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	7	0.16
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	7	0.16
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	7	0.16
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	7	0.16
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	7	0.16
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	7	0.16
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	7	0.16
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	7	0.16
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	7	0.16
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	7	0.16
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	7	0.16
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	7	0.16
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	7	0.16
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	7	0.16
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	7	0.16
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	7	0.16
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD11	17	0.16
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD12	17	0.16
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD13	17	0.16
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD21	17	0.16
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD22	17	0.16
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD23	17	0.16
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG11	16	0.16
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG12	16	0.16
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG13	16	0.16
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG21	16	0.16
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG22	16	0.16
(1,1619)	1:129:A:ILE:HA	1:192:A:VAL:HG23	16	0.16
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG11	15	0.16
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG12	15	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG13	15	0.16
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG21	15	0.16
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG22	15	0.16
(1,1607)	1:127:A:ASN:HA	1:192:A:VAL:HG23	15	0.16
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG21	8	0.16
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG22	8	0.16
(1,1548)	1:116:A:CYS:HB2	1:160:A:ILE:HG23	8	0.16
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG21	8	0.16
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG22	8	0.16
(1,1548)	1:116:A:CYS:HB3	1:160:A:ILE:HG23	8	0.16
(1,1526)	1:111:A:VAL:HG11	1:115:A:LEU:H	19	0.16
(1,1526)	1:111:A:VAL:HG12	1:115:A:LEU:H	19	0.16
(1,1526)	1:111:A:VAL:HG13	1:115:A:LEU:H	19	0.16
(1,1526)	1:111:A:VAL:HG21	1:115:A:LEU:H	19	0.16
(1,1526)	1:111:A:VAL:HG22	1:115:A:LEU:H	19	0.16
(1,1526)	1:111:A:VAL:HG23	1:115:A:LEU:H	19	0.16
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG11	16	0.16
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG12	16	0.16
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG13	16	0.16
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG21	16	0.16
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG22	16	0.16
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG23	16	0.16
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG2	18	0.16
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG3	18	0.16
(1,1487)	1:108:A:LYS:HB2	1:121:A:GLN:H	19	0.16
(1,1487)	1:108:A:LYS:HB3	1:121:A:GLN:H	19	0.16
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	2	0.16
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	2	0.16
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB2	15	0.16
(1,1435)	1:100:A:ARG:HB2	1:101:A:ASP:HB3	15	0.16
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB2	15	0.16
(1,1435)	1:100:A:ARG:HB3	1:101:A:ASP:HB3	15	0.16
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	8	0.16
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	8	0.16
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB2	20	0.16
(1,1396)	1:95:A:LEU:H	1:96:A:GLU:HB3	20	0.16
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB2	13	0.16
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB3	13	0.16
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB2	13	0.16
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB3	13	0.16
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB2	13	0.16
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB3	13	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1376)	1:90:A:LEU:HD11	1:197:A:THR:HG21	15	0.16
(1,1376)	1:90:A:LEU:HD11	1:197:A:THR:HG22	15	0.16
(1,1376)	1:90:A:LEU:HD11	1:197:A:THR:HG23	15	0.16
(1,1376)	1:90:A:LEU:HD12	1:197:A:THR:HG21	15	0.16
(1,1376)	1:90:A:LEU:HD12	1:197:A:THR:HG22	15	0.16
(1,1376)	1:90:A:LEU:HD12	1:197:A:THR:HG23	15	0.16
(1,1376)	1:90:A:LEU:HD13	1:197:A:THR:HG21	15	0.16
(1,1376)	1:90:A:LEU:HD13	1:197:A:THR:HG22	15	0.16
(1,1376)	1:90:A:LEU:HD13	1:197:A:THR:HG23	15	0.16
(1,1376)	1:90:A:LEU:HD21	1:197:A:THR:HG21	15	0.16
(1,1376)	1:90:A:LEU:HD21	1:197:A:THR:HG22	15	0.16
(1,1376)	1:90:A:LEU:HD21	1:197:A:THR:HG23	15	0.16
(1,1376)	1:90:A:LEU:HD22	1:197:A:THR:HG21	15	0.16
(1,1376)	1:90:A:LEU:HD22	1:197:A:THR:HG22	15	0.16
(1,1376)	1:90:A:LEU:HD22	1:197:A:THR:HG23	15	0.16
(1,1376)	1:90:A:LEU:HD23	1:197:A:THR:HG21	15	0.16
(1,1376)	1:90:A:LEU:HD23	1:197:A:THR:HG22	15	0.16
(1,1376)	1:90:A:LEU:HD23	1:197:A:THR:HG23	15	0.16
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	2	0.16
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	2	0.16
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	2	0.16
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	2	0.16
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	2	0.16
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	2	0.16
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	5	0.16
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	5	0.16
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	5	0.16
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	5	0.16
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	5	0.16
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	5	0.16
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	7	0.16
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	7	0.16
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	7	0.16
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	7	0.16
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	7	0.16
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	7	0.16
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG11	13	0.16
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG12	13	0.16
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG13	13	0.16
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG21	13	0.16
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG22	13	0.16
(1,1366)	1:89:A:TYR:HB2	1:136:A:VAL:HG23	13	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG11	13	0.16
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG12	13	0.16
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG13	13	0.16
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG21	13	0.16
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG22	13	0.16
(1,1366)	1:89:A:TYR:HB3	1:136:A:VAL:HG23	13	0.16
(1,1358)	1:88:A:ARG:HG2	1:89:A:TYR:H	6	0.16
(1,1358)	1:88:A:ARG:HG3	1:89:A:TYR:H	6	0.16
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	2	0.16
(1,1319)	1:200:A:ARG:H	1:202:A:ALA:H	5	0.16
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	6	0.16
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	9	0.16
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	10	0.16
(1,1289)	1:126:A:LYS:H	1:190:A:ASN:H	17	0.16
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	7	0.16
(1,1273)	1:178:A:VAL:HG21	1:179:A:GLY:H	10	0.16
(1,1273)	1:178:A:VAL:HG22	1:179:A:GLY:H	10	0.16
(1,1273)	1:178:A:VAL:HG23	1:179:A:GLY:H	10	0.16
(1,1273)	1:178:A:VAL:HG21	1:179:A:GLY:H	17	0.16
(1,1273)	1:178:A:VAL:HG22	1:179:A:GLY:H	17	0.16
(1,1273)	1:178:A:VAL:HG23	1:179:A:GLY:H	17	0.16
(1,1271)	1:178:A:VAL:HB	1:179:A:GLY:H	20	0.16
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	9	0.16
(1,1244)	1:165:A:SER:HA	1:166:A:LEU:H	4	0.16
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	17	0.16
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD21	11	0.16
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD22	11	0.16
(1,1206)	1:149:A:ALA:H	1:181:A:LEU:HD23	11	0.16
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	1	0.16
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	7	0.16
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	15	0.16
(1,1192)	1:145:A:ILE:HD11	1:146:A:LEU:H	11	0.16
(1,1192)	1:145:A:ILE:HD12	1:146:A:LEU:H	11	0.16
(1,1192)	1:145:A:ILE:HD13	1:146:A:LEU:H	11	0.16
(1,1179)	1:90:A:LEU:H	1:136:A:VAL:H	9	0.16
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	8	0.16
(1,1162)	1:131:A:LYS:H	1:148:A:ARG:HA	10	0.16
(1,1160)	1:131:A:LYS:H	1:147:A:LEU:HG	14	0.16
(1,1160)	1:131:A:LYS:H	1:147:A:LEU:HG	17	0.16
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	18	0.16
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	5	0.16
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	5	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	5	0.16
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	17	0.16
(1,1131)	1:118:A:ARG:H	1:119:A:MET:HA	5	0.16
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	9	0.16
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	15	0.16
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	9	0.16
(1,1124)	1:112:A:ALA:HB1	1:117:A:ILE:H	4	0.16
(1,1124)	1:112:A:ALA:HB2	1:117:A:ILE:H	4	0.16
(1,1124)	1:112:A:ALA:HB3	1:117:A:ILE:H	4	0.16
(1,1098)	1:103:A:PHE:H	1:104:A:MET:H	20	0.16
(1,1095)	1:102:A:TRP:H	1:102:A:TRP:HE1	8	0.16
(1,1095)	1:102:A:TRP:H	1:102:A:TRP:HE1	12	0.16
(1,1095)	1:102:A:TRP:H	1:102:A:TRP:HE1	14	0.16
(1,1058)	1:178:A:VAL:HB	1:181:A:LEU:H	4	0.16
(1,1058)	1:178:A:VAL:HB	1:181:A:LEU:H	14	0.16
(1,1031)	1:147:A:LEU:HG	1:160:A:ILE:HB	20	0.16
(1,1013)	1:202:A:ALA:HA	1:203:A:TRP:H	16	0.16
(1,1006)	1:178:A:VAL:HG21	1:202:A:ALA:H	10	0.16
(1,1006)	1:178:A:VAL:HG22	1:202:A:ALA:H	10	0.16
(1,1006)	1:178:A:VAL:HG23	1:202:A:ALA:H	10	0.16
(1,982)	1:194:A:VAL:H	1:194:A:VAL:HB	6	0.16
(1,982)	1:194:A:VAL:H	1:194:A:VAL:HB	12	0.16
(1,982)	1:194:A:VAL:H	1:194:A:VAL:HB	15	0.16
(1,969)	1:191:A:THR:HG21	1:192:A:VAL:H	8	0.16
(1,969)	1:191:A:THR:HG22	1:192:A:VAL:H	8	0.16
(1,969)	1:191:A:THR:HG23	1:192:A:VAL:H	8	0.16
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	5	0.16
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	11	0.16
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	4	0.16
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	13	0.16
(1,918)	1:185:A:LEU:HB3	1:186:A:GLU:H	19	0.16
(1,916)	1:185:A:LEU:H	1:185:A:LEU:HB2	7	0.16
(1,912)	1:181:A:LEU:HA	1:185:A:LEU:H	10	0.16
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	12	0.16
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	12	0.16
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	10	0.16
(1,890)	1:180:A:VAL:HG21	1:181:A:LEU:H	10	0.16
(1,890)	1:180:A:VAL:HG22	1:181:A:LEU:H	10	0.16
(1,890)	1:180:A:VAL:HG23	1:181:A:LEU:H	10	0.16
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	18	0.16
(1,850)	1:171:A:ASP:HA	1:175:A:LYS:H	6	0.16
(1,843)	1:172:A:GLU:HB2	1:173:A:ASP:H	17	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:172:A:GLU:HB3	1:173:A:ASP:H	17	0.16
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	14	0.16
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	7	0.16
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	13	0.16
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	14	0.16
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	17	0.16
(1,760)	1:151:A:THR:HA	1:153:A:GLU:H	12	0.16
(1,751)	1:150:A:PHE:HD1	1:151:A:THR:H	5	0.16
(1,751)	1:150:A:PHE:HD2	1:151:A:THR:H	5	0.16
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	19	0.16
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	8	0.16
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	9	0.16
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	13	0.16
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	10	0.16
(1,667)	1:131:A:LYS:H	1:149:A:ALA:H	19	0.16
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	11	0.16
(1,658)	1:129:A:ILE:H	1:150:A:PHE:HB3	15	0.16
(1,642)	1:127:A:ASN:H	1:191:A:THR:HB	13	0.16
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	19	0.16
(1,635)	1:127:A:ASN:H	1:128:A:ILE:H	8	0.16
(1,625)	1:123:A:ILE:HG21	1:126:A:LYS:H	5	0.16
(1,625)	1:123:A:ILE:HG22	1:126:A:LYS:H	5	0.16
(1,625)	1:123:A:ILE:HG23	1:126:A:LYS:H	5	0.16
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	18	0.16
(1,616)	1:124:A:MET:H	1:188:A:ASN:HB3	10	0.16
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	11	0.16
(1,604)	1:121:A:GLN:H	1:123:A:ILE:H	1	0.16
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	3	0.16
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	5	0.16
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	5	0.16
(1,545)	1:111:A:VAL:HB	1:112:A:ALA:H	19	0.16
(1,540)	1:109:A:GLN:HG2	1:111:A:VAL:H	14	0.16
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	12	0.16
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	16	0.16
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	9	0.16
(1,511)	1:102:A:TRP:HB3	1:103:A:PHE:H	8	0.16
(1,487)	1:98:A:MET:H	1:98:A:MET:HG2	15	0.16
(1,478)	1:94:A:THR:HA	1:96:A:GLU:H	12	0.16
(1,477)	1:94:A:THR:H	1:96:A:GLU:H	1	0.16
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	16	0.16
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	8	0.16
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	13	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	14	0.16
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	15	0.16
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD21	4	0.16
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD22	4	0.16
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD23	4	0.16
(1,426)	1:115:A:LEU:HG	1:174:A:VAL:H	3	0.16
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	13	0.16
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	13	0.16
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	19	0.16
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	19	0.16
(1,423)	1:203:A:TRP:HA	1:203:A:TRP:HD1	6	0.16
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	18	0.16
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	1	0.16
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	2	0.16
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	4	0.16
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	5	0.16
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	6	0.16
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	7	0.16
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	9	0.16
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	10	0.16
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	11	0.16
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	12	0.16
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	14	0.16
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	16	0.16
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	18	0.16
(1,364)	1:190:A:ASN:HB3	1:191:A:THR:HB	1	0.16
(1,333)	1:181:A:LEU:HG	1:182:A:ILE:HA	14	0.16
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	2	0.16
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	2	0.16
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	2	0.16
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	15	0.16
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	15	0.16
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	15	0.16
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	8	0.16
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	8	0.16
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	8	0.16
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	14	0.16
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	14	0.16
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	14	0.16
(1,246)	1:155:A:ALA:HB1	1:156:A:ILE:HB	15	0.16
(1,246)	1:155:A:ALA:HB2	1:156:A:ILE:HB	15	0.16
(1,246)	1:155:A:ALA:HB3	1:156:A:ILE:HB	15	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,245)	1:155:A:ALA:HB1	1:156:A:ILE:HA	10	0.16
(1,245)	1:155:A:ALA:HB2	1:156:A:ILE:HA	10	0.16
(1,245)	1:155:A:ALA:HB3	1:156:A:ILE:HA	10	0.16
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	12	0.16
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	17	0.16
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG21	14	0.16
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG22	14	0.16
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG23	14	0.16
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG21	18	0.16
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG22	18	0.16
(1,174)	1:134:A:PHE:HE1	1:197:A:THR:HG23	18	0.16
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG21	18	0.16
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG22	18	0.16
(1,174)	1:134:A:PHE:HE2	1:197:A:THR:HG23	18	0.16
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	5	0.16
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	5	0.16
(1,151)	1:92:A:ASP:HA	1:132:A:ALA:H	14	0.16
(1,151)	1:92:A:ASP:HA	1:132:A:ALA:H	17	0.16
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	5	0.16
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	7	0.16
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	3	0.16
(1,104)	1:121:A:GLN:HB3	1:122:A:ALA:HA	7	0.16
(1,36)	1:91:A:THR:HG21	1:133:A:ASN:HB3	3	0.16
(1,36)	1:91:A:THR:HG22	1:133:A:ASN:HB3	3	0.16
(1,36)	1:91:A:THR:HG23	1:133:A:ASN:HB3	3	0.16
(1,25)	1:90:A:LEU:HA	1:90:A:LEU:HD21	1	0.16
(1,25)	1:90:A:LEU:HA	1:90:A:LEU:HD22	1	0.16
(1,25)	1:90:A:LEU:HA	1:90:A:LEU:HD23	1	0.16
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	3	0.16
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	3	0.16
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	3	0.16
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG21	1	0.16
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG22	1	0.16
(1,20)	1:89:A:TYR:HB2	1:91:A:THR:HG23	1	0.16
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG21	1	0.16
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG22	1	0.16
(1,20)	1:89:A:TYR:HB3	1:91:A:THR:HG23	1	0.16
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG2	3	0.16
(1,10)	1:137:A:ILE:HB	1:142:A:GLU:HG3	3	0.16
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD1	4	0.15
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD2	4	0.15
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD1	4	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD2	4	0.15
(1,1804)	1:200:A:ARG:H	1:200:A:ARG:HG2	18	0.15
(1,1804)	1:200:A:ARG:H	1:200:A:ARG:HG3	18	0.15
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD2	7	0.15
(1,1803)	1:199:A:GLN:HE22	1:200:A:ARG:HD3	7	0.15
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG21	13	0.15
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG22	13	0.15
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG23	13	0.15
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG21	13	0.15
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG22	13	0.15
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG23	13	0.15
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	9	0.15
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	9	0.15
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	9	0.15
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	9	0.15
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	9	0.15
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	9	0.15
(1,1765)	1:185:A:LEU:HD11	1:192:A:VAL:HB	11	0.15
(1,1765)	1:185:A:LEU:HD12	1:192:A:VAL:HB	11	0.15
(1,1765)	1:185:A:LEU:HD13	1:192:A:VAL:HB	11	0.15
(1,1765)	1:185:A:LEU:HD21	1:192:A:VAL:HB	11	0.15
(1,1765)	1:185:A:LEU:HD22	1:192:A:VAL:HB	11	0.15
(1,1765)	1:185:A:LEU:HD23	1:192:A:VAL:HB	11	0.15
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	4	0.15
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	4	0.15
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	4	0.15
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	4	0.15
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	4	0.15
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	4	0.15
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	8	0.15
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	8	0.15
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG11	14	0.15
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG12	14	0.15
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG13	14	0.15
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG21	14	0.15
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG22	14	0.15
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG23	14	0.15
(1,1725)	1:176:A:ASN:HB2	1:178:A:VAL:H	9	0.15
(1,1725)	1:176:A:ASN:HB3	1:178:A:VAL:H	9	0.15
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	4	0.15
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	4	0.15
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	4	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	4	0.15
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	4	0.15
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	4	0.15
(1,1649)	1:136:A:VAL:HG11	1:137:A:ILE:H	3	0.15
(1,1649)	1:136:A:VAL:HG12	1:137:A:ILE:H	3	0.15
(1,1649)	1:136:A:VAL:HG13	1:137:A:ILE:H	3	0.15
(1,1649)	1:136:A:VAL:HG21	1:137:A:ILE:H	3	0.15
(1,1649)	1:136:A:VAL:HG22	1:137:A:ILE:H	3	0.15
(1,1649)	1:136:A:VAL:HG23	1:137:A:ILE:H	3	0.15
(1,1649)	1:136:A:VAL:HG11	1:137:A:ILE:H	6	0.15
(1,1649)	1:136:A:VAL:HG12	1:137:A:ILE:H	6	0.15
(1,1649)	1:136:A:VAL:HG13	1:137:A:ILE:H	6	0.15
(1,1649)	1:136:A:VAL:HG21	1:137:A:ILE:H	6	0.15
(1,1649)	1:136:A:VAL:HG22	1:137:A:ILE:H	6	0.15
(1,1649)	1:136:A:VAL:HG23	1:137:A:ILE:H	6	0.15
(1,1636)	1:130:A:LEU:HD11	1:194:A:VAL:HA	6	0.15
(1,1636)	1:130:A:LEU:HD12	1:194:A:VAL:HA	6	0.15
(1,1636)	1:130:A:LEU:HD13	1:194:A:VAL:HA	6	0.15
(1,1636)	1:130:A:LEU:HD21	1:194:A:VAL:HA	6	0.15
(1,1636)	1:130:A:LEU:HD22	1:194:A:VAL:HA	6	0.15
(1,1636)	1:130:A:LEU:HD23	1:194:A:VAL:HA	6	0.15
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB2	13	0.15
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB3	13	0.15
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD11	16	0.15
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD12	16	0.15
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD13	16	0.15
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD21	16	0.15
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD22	16	0.15
(1,1624)	1:130:A:LEU:H	1:130:A:LEU:HD23	16	0.15
(1,1613)	1:128:A:ILE:HG12	1:150:A:PHE:H	15	0.15
(1,1613)	1:128:A:ILE:HG13	1:150:A:PHE:H	15	0.15
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB2	14	0.15
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB3	14	0.15
(1,1583)	1:123:A:ILE:HG12	1:157:A:VAL:HA	2	0.15
(1,1583)	1:123:A:ILE:HG13	1:157:A:VAL:HA	2	0.15
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG2	18	0.15
(1,1562)	1:120:A:ASP:HA	1:121:A:GLN:HG3	18	0.15
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	18	0.15
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	18	0.15
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	3	0.15
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	3	0.15
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	3	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	3	0.15
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	3	0.15
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	3	0.15
(1,1526)	1:111:A:VAL:HG11	1:115:A:LEU:H	8	0.15
(1,1526)	1:111:A:VAL:HG12	1:115:A:LEU:H	8	0.15
(1,1526)	1:111:A:VAL:HG13	1:115:A:LEU:H	8	0.15
(1,1526)	1:111:A:VAL:HG21	1:115:A:LEU:H	8	0.15
(1,1526)	1:111:A:VAL:HG22	1:115:A:LEU:H	8	0.15
(1,1526)	1:111:A:VAL:HG23	1:115:A:LEU:H	8	0.15
(1,1526)	1:111:A:VAL:HG11	1:115:A:LEU:H	20	0.15
(1,1526)	1:111:A:VAL:HG12	1:115:A:LEU:H	20	0.15
(1,1526)	1:111:A:VAL:HG13	1:115:A:LEU:H	20	0.15
(1,1526)	1:111:A:VAL:HG21	1:115:A:LEU:H	20	0.15
(1,1526)	1:111:A:VAL:HG22	1:115:A:LEU:H	20	0.15
(1,1526)	1:111:A:VAL:HG23	1:115:A:LEU:H	20	0.15
(1,1523)	1:111:A:VAL:HG11	1:112:A:ALA:H	11	0.15
(1,1523)	1:111:A:VAL:HG12	1:112:A:ALA:H	11	0.15
(1,1523)	1:111:A:VAL:HG13	1:112:A:ALA:H	11	0.15
(1,1523)	1:111:A:VAL:HG21	1:112:A:ALA:H	11	0.15
(1,1523)	1:111:A:VAL:HG22	1:112:A:ALA:H	11	0.15
(1,1523)	1:111:A:VAL:HG23	1:112:A:ALA:H	11	0.15
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG11	18	0.15
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG12	18	0.15
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG13	18	0.15
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG21	18	0.15
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG22	18	0.15
(1,1507)	1:110:A:LYS:H	1:180:A:VAL:HG23	18	0.15
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG2	9	0.15
(1,1506)	1:110:A:LYS:H	1:118:A:ARG:HG3	9	0.15
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG2	1	0.15
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG3	1	0.15
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG2	16	0.15
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG3	16	0.15
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	9	0.15
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	9	0.15
(1,1486)	1:108:A:LYS:HB2	1:109:A:GLN:H	14	0.15
(1,1486)	1:108:A:LYS:HB3	1:109:A:GLN:H	14	0.15
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	6	0.15
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	6	0.15
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	6	0.15
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	6	0.15
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	6	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	6	0.15
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG2	3	0.15
(1,1450)	1:102:A:TRP:HZ2	1:104:A:MET:HG3	3	0.15
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	14	0.15
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	14	0.15
(1,1428)	1:99:A:SER:HB2	1:100:A:ARG:H	20	0.15
(1,1428)	1:99:A:SER:HB3	1:100:A:ARG:H	20	0.15
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB2	9	0.15
(1,1426)	1:99:A:SER:H	1:100:A:ARG:HB3	9	0.15
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	2	0.15
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	2	0.15
(1,1400)	1:95:A:LEU:HD11	1:96:A:GLU:H	6	0.15
(1,1400)	1:95:A:LEU:HD12	1:96:A:GLU:H	6	0.15
(1,1400)	1:95:A:LEU:HD13	1:96:A:GLU:H	6	0.15
(1,1400)	1:95:A:LEU:HD21	1:96:A:GLU:H	6	0.15
(1,1400)	1:95:A:LEU:HD22	1:96:A:GLU:H	6	0.15
(1,1400)	1:95:A:LEU:HD23	1:96:A:GLU:H	6	0.15
(1,1400)	1:95:A:LEU:HD11	1:96:A:GLU:H	8	0.15
(1,1400)	1:95:A:LEU:HD12	1:96:A:GLU:H	8	0.15
(1,1400)	1:95:A:LEU:HD13	1:96:A:GLU:H	8	0.15
(1,1400)	1:95:A:LEU:HD21	1:96:A:GLU:H	8	0.15
(1,1400)	1:95:A:LEU:HD22	1:96:A:GLU:H	8	0.15
(1,1400)	1:95:A:LEU:HD23	1:96:A:GLU:H	8	0.15
(1,1400)	1:95:A:LEU:HD11	1:96:A:GLU:H	11	0.15
(1,1400)	1:95:A:LEU:HD12	1:96:A:GLU:H	11	0.15
(1,1400)	1:95:A:LEU:HD13	1:96:A:GLU:H	11	0.15
(1,1400)	1:95:A:LEU:HD21	1:96:A:GLU:H	11	0.15
(1,1400)	1:95:A:LEU:HD22	1:96:A:GLU:H	11	0.15
(1,1400)	1:95:A:LEU:HD23	1:96:A:GLU:H	11	0.15
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD11	8	0.15
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD12	8	0.15
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD13	8	0.15
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD21	8	0.15
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD22	8	0.15
(1,1367)	1:90:A:LEU:H	1:90:A:LEU:HD23	8	0.15
(1,1324)	1:199:A:GLN:HA	1:202:A:ALA:H	4	0.15
(1,1319)	1:200:A:ARG:H	1:202:A:ALA:H	3	0.15
(1,1319)	1:200:A:ARG:H	1:202:A:ALA:H	13	0.15
(1,1300)	1:192:A:VAL:HB	1:193:A:ARG:H	4	0.15
(1,1298)	1:130:A:LEU:H	1:193:A:ARG:H	7	0.15
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	5	0.15
(1,1273)	1:178:A:VAL:HG21	1:179:A:GLY:H	6	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:178:A:VAL:HG22	1:179:A:GLY:H	6	0.15
(1,1273)	1:178:A:VAL:HG23	1:179:A:GLY:H	6	0.15
(1,1273)	1:178:A:VAL:HG21	1:179:A:GLY:H	19	0.15
(1,1273)	1:178:A:VAL:HG22	1:179:A:GLY:H	19	0.15
(1,1273)	1:178:A:VAL:HG23	1:179:A:GLY:H	19	0.15
(1,1272)	1:178:A:VAL:HG11	1:179:A:GLY:H	7	0.15
(1,1272)	1:178:A:VAL:HG12	1:179:A:GLY:H	7	0.15
(1,1272)	1:178:A:VAL:HG13	1:179:A:GLY:H	7	0.15
(1,1272)	1:178:A:VAL:HG11	1:179:A:GLY:H	9	0.15
(1,1272)	1:178:A:VAL:HG12	1:179:A:GLY:H	9	0.15
(1,1272)	1:178:A:VAL:HG13	1:179:A:GLY:H	9	0.15
(1,1249)	1:171:A:ASP:H	1:172:A:GLU:HB2	14	0.15
(1,1249)	1:171:A:ASP:H	1:172:A:GLU:HB3	14	0.15
(1,1236)	1:159:A:GLU:H	1:181:A:LEU:HD11	14	0.15
(1,1236)	1:159:A:GLU:H	1:181:A:LEU:HD12	14	0.15
(1,1236)	1:159:A:GLU:H	1:181:A:LEU:HD13	14	0.15
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	19	0.15
(1,1197)	1:132:A:ALA:HB1	1:148:A:ARG:H	7	0.15
(1,1197)	1:132:A:ALA:HB2	1:148:A:ARG:H	7	0.15
(1,1197)	1:132:A:ALA:HB3	1:148:A:ARG:H	7	0.15
(1,1197)	1:132:A:ALA:HB1	1:148:A:ARG:H	15	0.15
(1,1197)	1:132:A:ALA:HB2	1:148:A:ARG:H	15	0.15
(1,1197)	1:132:A:ALA:HB3	1:148:A:ARG:H	15	0.15
(1,1196)	1:132:A:ALA:HA	1:148:A:ARG:H	12	0.15
(1,1160)	1:131:A:LYS:H	1:147:A:LEU:HG	1	0.15
(1,1127)	1:117:A:ILE:HG13	1:118:A:ARG:H	20	0.15
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	20	0.15
(1,1124)	1:112:A:ALA:HB1	1:117:A:ILE:H	20	0.15
(1,1124)	1:112:A:ALA:HB2	1:117:A:ILE:H	20	0.15
(1,1124)	1:112:A:ALA:HB3	1:117:A:ILE:H	20	0.15
(1,1101)	1:107:A:PRO:HB2	1:108:A:LYS:H	3	0.15
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG21	8	0.15
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG22	8	0.15
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG23	8	0.15
(1,1088)	1:98:A:MET:HB2	1:99:A:SER:H	2	0.15
(1,1088)	1:98:A:MET:HB2	1:99:A:SER:H	4	0.15
(1,1086)	1:95:A:LEU:HB2	1:98:A:MET:H	12	0.15
(1,1085)	1:95:A:LEU:HB3	1:98:A:MET:H	12	0.15
(1,1079)	1:94:A:THR:HG21	1:96:A:GLU:H	15	0.15
(1,1079)	1:94:A:THR:HG22	1:96:A:GLU:H	15	0.15
(1,1079)	1:94:A:THR:HG23	1:96:A:GLU:H	15	0.15
(1,1079)	1:94:A:THR:HG21	1:96:A:GLU:H	20	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1079)	1:94:A:THR:HG22	1:96:A:GLU:H	20	0.15
(1,1079)	1:94:A:THR:HG23	1:96:A:GLU:H	20	0.15
(1,1063)	1:89:A:TYR:HD1	1:90:A:LEU:H	17	0.15
(1,1063)	1:89:A:TYR:HD2	1:90:A:LEU:H	17	0.15
(1,1006)	1:178:A:VAL:HG21	1:202:A:ALA:H	14	0.15
(1,1006)	1:178:A:VAL:HG22	1:202:A:ALA:H	14	0.15
(1,1006)	1:178:A:VAL:HG23	1:202:A:ALA:H	14	0.15
(1,1002)	1:200:A:ARG:H	1:201:A:PHE:HD1	3	0.15
(1,1002)	1:200:A:ARG:H	1:201:A:PHE:HD2	3	0.15
(1,981)	1:193:A:ARG:HG3	1:194:A:VAL:H	18	0.15
(1,978)	1:193:A:ARG:H	1:194:A:VAL:H	3	0.15
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	1	0.15
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	4	0.15
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	3	0.15
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	5	0.15
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	6	0.15
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	13	0.15
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	17	0.15
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	19	0.15
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	3	0.15
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	5	0.15
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	10	0.15
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	5	0.15
(1,935)	1:188:A:ASN:H	1:188:A:ASN:HB3	17	0.15
(1,933)	1:187:A:ARG:HD2	1:188:A:ASN:H	1	0.15
(1,933)	1:187:A:ARG:HD3	1:188:A:ASN:H	1	0.15
(1,933)	1:187:A:ARG:HD2	1:188:A:ASN:H	19	0.15
(1,933)	1:187:A:ARG:HD3	1:188:A:ASN:H	19	0.15
(1,917)	1:185:A:LEU:H	1:185:A:LEU:HB3	2	0.15
(1,917)	1:185:A:LEU:H	1:185:A:LEU:HB3	17	0.15
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB1	2	0.15
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB2	2	0.15
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB3	2	0.15
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	16	0.15
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	19	0.15
(1,841)	1:170:A:THR:HA	1:173:A:ASP:H	17	0.15
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	8	0.15
(1,834)	1:170:A:THR:H	1:172:A:GLU:H	13	0.15
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	4	0.15
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	17	0.15
(1,751)	1:150:A:PHE:HD1	1:151:A:THR:H	1	0.15
(1,751)	1:150:A:PHE:HD2	1:151:A:THR:H	1	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:150:A:PHE:HD1	1:151:A:THR:H	12	0.15
(1,751)	1:150:A:PHE:HD2	1:151:A:THR:H	12	0.15
(1,751)	1:150:A:PHE:HD1	1:151:A:THR:H	19	0.15
(1,751)	1:150:A:PHE:HD2	1:151:A:THR:H	19	0.15
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	16	0.15
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	20	0.15
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	1	0.15
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	17	0.15
(1,718)	1:146:A:LEU:HB2	1:147:A:LEU:H	12	0.15
(1,718)	1:146:A:LEU:HB3	1:147:A:LEU:H	12	0.15
(1,700)	1:87:A:SER:HA	1:138:A:PHE:H	8	0.15
(1,699)	1:137:A:ILE:H	1:140:A:ARG:H	15	0.15
(1,697)	1:136:A:VAL:HG11	1:137:A:ILE:H	11	0.15
(1,697)	1:136:A:VAL:HG12	1:137:A:ILE:H	11	0.15
(1,697)	1:136:A:VAL:HG13	1:137:A:ILE:H	11	0.15
(1,695)	1:137:A:ILE:H	1:139:A:ASP:HA	1	0.15
(1,680)	1:133:A:ASN:HB3	1:134:A:PHE:H	5	0.15
(1,680)	1:133:A:ASN:HB3	1:134:A:PHE:H	12	0.15
(1,677)	1:132:A:ALA:HB1	1:134:A:PHE:H	1	0.15
(1,677)	1:132:A:ALA:HB2	1:134:A:PHE:H	1	0.15
(1,677)	1:132:A:ALA:HB3	1:134:A:PHE:H	1	0.15
(1,667)	1:131:A:LYS:H	1:149:A:ALA:H	4	0.15
(1,664)	1:129:A:ILE:HG21	1:131:A:LYS:H	18	0.15
(1,664)	1:129:A:ILE:HG22	1:131:A:LYS:H	18	0.15
(1,664)	1:129:A:ILE:HG23	1:131:A:LYS:H	18	0.15
(1,652)	1:128:A:ILE:H	1:192:A:VAL:HA	13	0.15
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	13	0.15
(1,639)	1:127:A:ASN:H	1:152:A:GLU:HG3	5	0.15
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	7	0.15
(1,586)	1:120:A:ASP:H	1:121:A:GLN:H	19	0.15
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	14	0.15
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	19	0.15
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	4	0.15
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	18	0.15
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	7	0.15
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	19	0.15
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	19	0.15
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	19	0.15
(1,545)	1:111:A:VAL:HB	1:112:A:ALA:H	1	0.15
(1,540)	1:109:A:GLN:HG2	1:111:A:VAL:H	12	0.15
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	1	0.15
(1,531)	1:106:A:MET:H	1:107:A:PRO:HA	9	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	14	0.15
(1,528)	1:105:A:LEU:HD11	1:106:A:MET:H	13	0.15
(1,528)	1:105:A:LEU:HD12	1:106:A:MET:H	13	0.15
(1,528)	1:105:A:LEU:HD13	1:106:A:MET:H	13	0.15
(1,528)	1:105:A:LEU:HD11	1:106:A:MET:H	18	0.15
(1,528)	1:105:A:LEU:HD12	1:106:A:MET:H	18	0.15
(1,528)	1:105:A:LEU:HD13	1:106:A:MET:H	18	0.15
(1,525)	1:104:A:MET:HA	1:106:A:MET:H	18	0.15
(1,500)	1:101:A:ASP:H	1:156:A:ILE:HD11	19	0.15
(1,500)	1:101:A:ASP:H	1:156:A:ILE:HD12	19	0.15
(1,500)	1:101:A:ASP:H	1:156:A:ILE:HD13	19	0.15
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	9	0.15
(1,459)	1:91:A:THR:H	1:91:A:THR:HG21	10	0.15
(1,459)	1:91:A:THR:H	1:91:A:THR:HG22	10	0.15
(1,459)	1:91:A:THR:H	1:91:A:THR:HG23	10	0.15
(1,459)	1:91:A:THR:H	1:91:A:THR:HG21	13	0.15
(1,459)	1:91:A:THR:H	1:91:A:THR:HG22	13	0.15
(1,459)	1:91:A:THR:H	1:91:A:THR:HG23	13	0.15
(1,458)	1:90:A:LEU:HD21	1:91:A:THR:H	16	0.15
(1,458)	1:90:A:LEU:HD22	1:91:A:THR:H	16	0.15
(1,458)	1:90:A:LEU:HD23	1:91:A:THR:H	16	0.15
(1,413)	1:179:A:GLY:HA3	1:203:A:TRP:HH2	8	0.15
(1,404)	1:194:A:VAL:HG21	1:203:A:TRP:HB2	15	0.15
(1,404)	1:194:A:VAL:HG22	1:203:A:TRP:HB2	15	0.15
(1,404)	1:194:A:VAL:HG23	1:203:A:TRP:HB2	15	0.15
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	15	0.15
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	19	0.15
(1,374)	1:191:A:THR:HG21	1:193:A:ARG:H	14	0.15
(1,374)	1:191:A:THR:HG22	1:193:A:ARG:H	14	0.15
(1,374)	1:191:A:THR:HG23	1:193:A:ARG:H	14	0.15
(1,344)	1:181:A:LEU:HG	1:185:A:LEU:H	4	0.15
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	3	0.15
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	3	0.15
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	3	0.15
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	4	0.15
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	4	0.15
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	4	0.15
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	6	0.15
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	6	0.15
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	6	0.15
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	7	0.15
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	7	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	7	0.15
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	15	0.15
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	15	0.15
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	15	0.15
(1,283)	1:160:A:ILE:H	1:160:A:ILE:HD11	20	0.15
(1,283)	1:160:A:ILE:H	1:160:A:ILE:HD12	20	0.15
(1,283)	1:160:A:ILE:H	1:160:A:ILE:HD13	20	0.15
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	7	0.15
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	7	0.15
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	7	0.15
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	9	0.15
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	9	0.15
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	9	0.15
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	11	0.15
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	11	0.15
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	11	0.15
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	12	0.15
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	12	0.15
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	12	0.15
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	20	0.15
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	20	0.15
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	20	0.15
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD11	15	0.15
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD12	15	0.15
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD13	15	0.15
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	8	0.15
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	16	0.15
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	2	0.15
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	2	0.15
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	2	0.15
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD11	10	0.15
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD12	10	0.15
(1,185)	1:87:A:SER:HA	1:137:A:ILE:HD13	10	0.15
(1,179)	1:137:A:ILE:HB	1:138:A:PHE:H	4	0.15
(1,179)	1:137:A:ILE:HB	1:138:A:PHE:H	8	0.15
(1,179)	1:137:A:ILE:HB	1:138:A:PHE:H	20	0.15
(1,148)	1:130:A:LEU:HG	1:194:A:VAL:HA	17	0.15
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	8	0.15
(1,110)	1:123:A:ILE:HB	1:157:A:VAL:HG21	7	0.15
(1,110)	1:123:A:ILE:HB	1:157:A:VAL:HG22	7	0.15
(1,110)	1:123:A:ILE:HB	1:157:A:VAL:HG23	7	0.15
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB1	8	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB2	8	0.15
(1,108)	1:121:A:GLN:HB2	1:122:A:ALA:HB3	8	0.15
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD11	6	0.15
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD12	6	0.15
(1,24)	1:90:A:LEU:HA	1:90:A:LEU:HD13	6	0.15
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD1	9	0.14
(1,1814)	1:200:A:ARG:HG2	1:201:A:PHE:HD2	9	0.14
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD1	9	0.14
(1,1814)	1:200:A:ARG:HG3	1:201:A:PHE:HD2	9	0.14
(1,1758)	1:185:A:LEU:HD11	1:188:A:ASN:H	19	0.14
(1,1758)	1:185:A:LEU:HD12	1:188:A:ASN:H	19	0.14
(1,1758)	1:185:A:LEU:HD13	1:188:A:ASN:H	19	0.14
(1,1758)	1:185:A:LEU:HD21	1:188:A:ASN:H	19	0.14
(1,1758)	1:185:A:LEU:HD22	1:188:A:ASN:H	19	0.14
(1,1758)	1:185:A:LEU:HD23	1:188:A:ASN:H	19	0.14
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	10	0.14
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	10	0.14
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	10	0.14
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	10	0.14
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	10	0.14
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	10	0.14
(1,1742)	1:180:A:VAL:HG11	1:181:A:LEU:H	5	0.14
(1,1742)	1:180:A:VAL:HG12	1:181:A:LEU:H	5	0.14
(1,1742)	1:180:A:VAL:HG13	1:181:A:LEU:H	5	0.14
(1,1742)	1:180:A:VAL:HG21	1:181:A:LEU:H	5	0.14
(1,1742)	1:180:A:VAL:HG22	1:181:A:LEU:H	5	0.14
(1,1742)	1:180:A:VAL:HG23	1:181:A:LEU:H	5	0.14
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	4	0.14
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	4	0.14
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	7	0.14
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	7	0.14
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	11	0.14
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	11	0.14
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG11	11	0.14
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG12	11	0.14
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG13	11	0.14
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG21	11	0.14
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG22	11	0.14
(1,1727)	1:177:A:ALA:H	1:180:A:VAL:HG23	11	0.14
(1,1725)	1:176:A:ASN:HB2	1:178:A:VAL:H	5	0.14
(1,1725)	1:176:A:ASN:HB3	1:178:A:VAL:H	5	0.14
(1,1725)	1:176:A:ASN:HB2	1:178:A:VAL:H	12	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1725)	1:176:A:ASN:HB3	1:178:A:VAL:H	12	0.14
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE1	16	0.14
(1,1718)	1:174:A:VAL:HG11	1:201:A:PHE:HE2	16	0.14
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE1	16	0.14
(1,1718)	1:174:A:VAL:HG12	1:201:A:PHE:HE2	16	0.14
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE1	16	0.14
(1,1718)	1:174:A:VAL:HG13	1:201:A:PHE:HE2	16	0.14
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE1	16	0.14
(1,1718)	1:174:A:VAL:HG21	1:201:A:PHE:HE2	16	0.14
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE1	16	0.14
(1,1718)	1:174:A:VAL:HG22	1:201:A:PHE:HE2	16	0.14
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE1	16	0.14
(1,1718)	1:174:A:VAL:HG23	1:201:A:PHE:HE2	16	0.14
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD1	5	0.14
(1,1717)	1:174:A:VAL:HG11	1:201:A:PHE:HD2	5	0.14
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD1	5	0.14
(1,1717)	1:174:A:VAL:HG12	1:201:A:PHE:HD2	5	0.14
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD1	5	0.14
(1,1717)	1:174:A:VAL:HG13	1:201:A:PHE:HD2	5	0.14
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD1	5	0.14
(1,1717)	1:174:A:VAL:HG21	1:201:A:PHE:HD2	5	0.14
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD1	5	0.14
(1,1717)	1:174:A:VAL:HG22	1:201:A:PHE:HD2	5	0.14
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD1	5	0.14
(1,1717)	1:174:A:VAL:HG23	1:201:A:PHE:HD2	5	0.14
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	15	0.14
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	15	0.14
(1,1692)	1:162:A:PRO:HG2	1:163:A:LEU:H	19	0.14
(1,1692)	1:162:A:PRO:HG3	1:163:A:LEU:H	19	0.14
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	14	0.14
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	14	0.14
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	14	0.14
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	14	0.14
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	14	0.14
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	14	0.14
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	16	0.14
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	16	0.14
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	16	0.14
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	16	0.14
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	16	0.14
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	16	0.14
(1,1649)	1:136:A:VAL:HG11	1:137:A:ILE:H	11	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1649)	1:136:A:VAL:HG12	1:137:A:ILE:H	11	0.14
(1,1649)	1:136:A:VAL:HG13	1:137:A:ILE:H	11	0.14
(1,1649)	1:136:A:VAL:HG21	1:137:A:ILE:H	11	0.14
(1,1649)	1:136:A:VAL:HG22	1:137:A:ILE:H	11	0.14
(1,1649)	1:136:A:VAL:HG23	1:137:A:ILE:H	11	0.14
(1,1649)	1:136:A:VAL:HG11	1:137:A:ILE:H	14	0.14
(1,1649)	1:136:A:VAL:HG12	1:137:A:ILE:H	14	0.14
(1,1649)	1:136:A:VAL:HG13	1:137:A:ILE:H	14	0.14
(1,1649)	1:136:A:VAL:HG21	1:137:A:ILE:H	14	0.14
(1,1649)	1:136:A:VAL:HG22	1:137:A:ILE:H	14	0.14
(1,1649)	1:136:A:VAL:HG23	1:137:A:ILE:H	14	0.14
(1,1649)	1:136:A:VAL:HG11	1:137:A:ILE:H	20	0.14
(1,1649)	1:136:A:VAL:HG12	1:137:A:ILE:H	20	0.14
(1,1649)	1:136:A:VAL:HG13	1:137:A:ILE:H	20	0.14
(1,1649)	1:136:A:VAL:HG21	1:137:A:ILE:H	20	0.14
(1,1649)	1:136:A:VAL:HG22	1:137:A:ILE:H	20	0.14
(1,1649)	1:136:A:VAL:HG23	1:137:A:ILE:H	20	0.14
(1,1640)	1:131:A:LYS:HB2	1:150:A:PHE:H	10	0.14
(1,1640)	1:131:A:LYS:HB3	1:150:A:PHE:H	10	0.14
(1,1636)	1:130:A:LEU:HD11	1:194:A:VAL:HA	4	0.14
(1,1636)	1:130:A:LEU:HD12	1:194:A:VAL:HA	4	0.14
(1,1636)	1:130:A:LEU:HD13	1:194:A:VAL:HA	4	0.14
(1,1636)	1:130:A:LEU:HD21	1:194:A:VAL:HA	4	0.14
(1,1636)	1:130:A:LEU:HD22	1:194:A:VAL:HA	4	0.14
(1,1636)	1:130:A:LEU:HD23	1:194:A:VAL:HA	4	0.14
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	5	0.14
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	5	0.14
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	1	0.14
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	1	0.14
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	1	0.14
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	1	0.14
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	1	0.14
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	1	0.14
(1,1546)	1:115:A:LEU:HD11	1:177:A:ALA:HA	14	0.14
(1,1546)	1:115:A:LEU:HD12	1:177:A:ALA:HA	14	0.14
(1,1546)	1:115:A:LEU:HD13	1:177:A:ALA:HA	14	0.14
(1,1546)	1:115:A:LEU:HD21	1:177:A:ALA:HA	14	0.14
(1,1546)	1:115:A:LEU:HD22	1:177:A:ALA:HA	14	0.14
(1,1546)	1:115:A:LEU:HD23	1:177:A:ALA:HA	14	0.14
(1,1535)	1:115:A:LEU:HD11	1:116:A:CYS:H	17	0.14
(1,1535)	1:115:A:LEU:HD12	1:116:A:CYS:H	17	0.14
(1,1535)	1:115:A:LEU:HD13	1:116:A:CYS:H	17	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:115:A:LEU:HD21	1:116:A:CYS:H	17	0.14
(1,1535)	1:115:A:LEU:HD22	1:116:A:CYS:H	17	0.14
(1,1535)	1:115:A:LEU:HD23	1:116:A:CYS:H	17	0.14
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	17	0.14
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	17	0.14
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	17	0.14
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	17	0.14
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	17	0.14
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	17	0.14
(1,1516)	1:110:A:LYS:HG2	1:180:A:VAL:HB	9	0.14
(1,1516)	1:110:A:LYS:HG3	1:180:A:VAL:HB	9	0.14
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	19	0.14
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	19	0.14
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	3	0.14
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	3	0.14
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	3	0.14
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	3	0.14
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	13	0.14
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	13	0.14
(1,1428)	1:99:A:SER:HB2	1:100:A:ARG:H	9	0.14
(1,1428)	1:99:A:SER:HB3	1:100:A:ARG:H	9	0.14
(1,1404)	1:95:A:LEU:HD11	1:98:A:MET:H	7	0.14
(1,1404)	1:95:A:LEU:HD12	1:98:A:MET:H	7	0.14
(1,1404)	1:95:A:LEU:HD13	1:98:A:MET:H	7	0.14
(1,1404)	1:95:A:LEU:HD21	1:98:A:MET:H	7	0.14
(1,1404)	1:95:A:LEU:HD22	1:98:A:MET:H	7	0.14
(1,1404)	1:95:A:LEU:HD23	1:98:A:MET:H	7	0.14
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	10	0.14
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	10	0.14
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	10	0.14
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	10	0.14
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	10	0.14
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	10	0.14
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	13	0.14
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	13	0.14
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	13	0.14
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	13	0.14
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	13	0.14
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	13	0.14
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	2	0.14
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	2	0.14
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	2	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	2	0.14
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	2	0.14
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	2	0.14
(1,1319)	1:200:A:ARG:H	1:202:A:ALA:H	11	0.14
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	17	0.14
(1,1274)	1:179:A:GLY:H	1:182:A:ILE:HB	10	0.14
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	10	0.14
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	18	0.14
(1,1244)	1:165:A:SER:HA	1:166:A:LEU:H	14	0.14
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	15	0.14
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	4	0.14
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	7	0.14
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	11	0.14
(1,1202)	1:149:A:ALA:H	1:150:A:PHE:HD1	4	0.14
(1,1202)	1:149:A:ALA:H	1:150:A:PHE:HD2	4	0.14
(1,1192)	1:145:A:ILE:HD11	1:146:A:LEU:H	14	0.14
(1,1192)	1:145:A:ILE:HD12	1:146:A:LEU:H	14	0.14
(1,1192)	1:145:A:ILE:HD13	1:146:A:LEU:H	14	0.14
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD11	16	0.14
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD12	16	0.14
(1,1183)	1:137:A:ILE:H	1:137:A:ILE:HD13	16	0.14
(1,1180)	1:136:A:VAL:H	1:136:A:VAL:HB	14	0.14
(1,1178)	1:89:A:TYR:H	1:136:A:VAL:H	19	0.14
(1,1177)	1:135:A:SER:H	1:145:A:ILE:HB	14	0.14
(1,1173)	1:134:A:PHE:H	1:135:A:SER:HA	6	0.14
(1,1131)	1:118:A:ARG:H	1:119:A:MET:HA	10	0.14
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	8	0.14
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	10	0.14
(1,1098)	1:103:A:PHE:H	1:104:A:MET:H	2	0.14
(1,1098)	1:103:A:PHE:H	1:104:A:MET:H	6	0.14
(1,1098)	1:103:A:PHE:H	1:104:A:MET:H	10	0.14
(1,1098)	1:103:A:PHE:H	1:104:A:MET:H	13	0.14
(1,1098)	1:103:A:PHE:H	1:104:A:MET:H	14	0.14
(1,1079)	1:94:A:THR:HG21	1:96:A:GLU:H	17	0.14
(1,1079)	1:94:A:THR:HG22	1:96:A:GLU:H	17	0.14
(1,1079)	1:94:A:THR:HG23	1:96:A:GLU:H	17	0.14
(1,1013)	1:202:A:ALA:HA	1:203:A:TRP:H	8	0.14
(1,1007)	1:201:A:PHE:HA	1:202:A:ALA:H	8	0.14
(1,1006)	1:178:A:VAL:HG21	1:202:A:ALA:H	4	0.14
(1,1006)	1:178:A:VAL:HG22	1:202:A:ALA:H	4	0.14
(1,1006)	1:178:A:VAL:HG23	1:202:A:ALA:H	4	0.14
(1,1006)	1:178:A:VAL:HG21	1:202:A:ALA:H	9	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1006)	1:178:A:VAL:HG22	1:202:A:ALA:H	9	0.14
(1,1006)	1:178:A:VAL:HG23	1:202:A:ALA:H	9	0.14
(1,1006)	1:178:A:VAL:HG21	1:202:A:ALA:H	17	0.14
(1,1006)	1:178:A:VAL:HG22	1:202:A:ALA:H	17	0.14
(1,1006)	1:178:A:VAL:HG23	1:202:A:ALA:H	17	0.14
(1,991)	1:197:A:THR:H	1:197:A:THR:HB	15	0.14
(1,981)	1:193:A:ARG:HG3	1:194:A:VAL:H	19	0.14
(1,978)	1:193:A:ARG:H	1:194:A:VAL:H	1	0.14
(1,968)	1:191:A:THR:HB	1:192:A:VAL:H	18	0.14
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	2	0.14
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	14	0.14
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	3	0.14
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	11	0.14
(1,948)	1:188:A:ASN:HB3	1:190:A:ASN:H	7	0.14
(1,946)	1:185:A:LEU:HA	1:190:A:ASN:H	14	0.14
(1,943)	1:189:A:ASP:H	1:189:A:ASP:HB2	1	0.14
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	2	0.14
(1,917)	1:185:A:LEU:H	1:185:A:LEU:HB3	13	0.14
(1,905)	1:183:A:GLY:H	1:186:A:GLU:H	8	0.14
(1,905)	1:183:A:GLY:H	1:186:A:GLU:H	9	0.14
(1,898)	1:181:A:LEU:HG	1:182:A:ILE:H	7	0.14
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	16	0.14
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	16	0.14
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	16	0.14
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	8	0.14
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB1	7	0.14
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB2	7	0.14
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB3	7	0.14
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	19	0.14
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	19	0.14
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	19	0.14
(1,826)	1:169:A:HIS:HB3	1:170:A:THR:H	17	0.14
(1,821)	1:114:A:SER:HA	1:163:A:LEU:H	6	0.14
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	18	0.14
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	19	0.14
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	7	0.14
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	13	0.14
(1,796)	1:102:A:TRP:HH2	1:159:A:GLU:H	5	0.14
(1,751)	1:150:A:PHE:HD1	1:151:A:THR:H	2	0.14
(1,751)	1:150:A:PHE:HD2	1:151:A:THR:H	2	0.14
(1,751)	1:150:A:PHE:HD1	1:151:A:THR:H	6	0.14
(1,751)	1:150:A:PHE:HD2	1:151:A:THR:H	6	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	1	0.14
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	12	0.14
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	17	0.14
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	10	0.14
(1,738)	1:129:A:ILE:HA	1:150:A:PHE:H	5	0.14
(1,738)	1:129:A:ILE:HA	1:150:A:PHE:H	15	0.14
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	13	0.14
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	16	0.14
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	18	0.14
(1,718)	1:146:A:LEU:HB2	1:147:A:LEU:H	13	0.14
(1,718)	1:146:A:LEU:HB3	1:147:A:LEU:H	13	0.14
(1,680)	1:133:A:ASN:HB3	1:134:A:PHE:H	10	0.14
(1,677)	1:132:A:ALA:HB1	1:134:A:PHE:H	16	0.14
(1,677)	1:132:A:ALA:HB2	1:134:A:PHE:H	16	0.14
(1,677)	1:132:A:ALA:HB3	1:134:A:PHE:H	16	0.14
(1,667)	1:131:A:LYS:H	1:149:A:ALA:H	8	0.14
(1,666)	1:131:A:LYS:H	1:132:A:ALA:HA	20	0.14
(1,665)	1:130:A:LEU:HG	1:131:A:LYS:H	1	0.14
(1,664)	1:129:A:ILE:HG21	1:131:A:LYS:H	12	0.14
(1,664)	1:129:A:ILE:HG22	1:131:A:LYS:H	12	0.14
(1,664)	1:129:A:ILE:HG23	1:131:A:LYS:H	12	0.14
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	9	0.14
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	20	0.14
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	20	0.14
(1,595)	1:106:A:MET:HG3	1:122:A:ALA:H	10	0.14
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	1	0.14
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	13	0.14
(1,564)	1:117:A:ILE:HG21	1:119:A:MET:H	20	0.14
(1,564)	1:117:A:ILE:HG22	1:119:A:MET:H	20	0.14
(1,564)	1:117:A:ILE:HG23	1:119:A:MET:H	20	0.14
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	1	0.14
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	2	0.14
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	10	0.14
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	3	0.14
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	4	0.14
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	4	0.14
(1,528)	1:105:A:LEU:HD11	1:106:A:MET:H	5	0.14
(1,528)	1:105:A:LEU:HD12	1:106:A:MET:H	5	0.14
(1,528)	1:105:A:LEU:HD13	1:106:A:MET:H	5	0.14
(1,495)	1:98:A:MET:H	1:100:A:ARG:H	8	0.14
(1,477)	1:94:A:THR:H	1:96:A:GLU:H	20	0.14
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	1	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	7	0.14
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	11	0.14
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	12	0.14
(1,459)	1:91:A:THR:H	1:91:A:THR:HG21	2	0.14
(1,459)	1:91:A:THR:H	1:91:A:THR:HG22	2	0.14
(1,459)	1:91:A:THR:H	1:91:A:THR:HG23	2	0.14
(1,447)	1:89:A:TYR:H	1:90:A:LEU:H	2	0.14
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE1	1	0.14
(1,425)	1:201:A:PHE:H	1:201:A:PHE:HE2	1	0.14
(1,419)	1:178:A:VAL:HG21	1:203:A:TRP:HZ3	20	0.14
(1,419)	1:178:A:VAL:HG22	1:203:A:TRP:HZ3	20	0.14
(1,419)	1:178:A:VAL:HG23	1:203:A:TRP:HZ3	20	0.14
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	17	0.14
(1,394)	1:194:A:VAL:HB	1:199:A:GLN:HA	19	0.14
(1,387)	1:196:A:GLU:HA	1:196:A:GLU:HB3	13	0.14
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	6	0.14
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	18	0.14
(1,336)	1:182:A:ILE:HA	1:185:A:LEU:HG	1	0.14
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	1	0.14
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	1	0.14
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	1	0.14
(1,312)	1:160:A:ILE:HG21	1:177:A:ALA:HA	11	0.14
(1,312)	1:160:A:ILE:HG22	1:177:A:ALA:HA	11	0.14
(1,312)	1:160:A:ILE:HG23	1:177:A:ALA:HA	11	0.14
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG11	2	0.14
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG12	2	0.14
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG13	2	0.14
(1,280)	1:158:A:GLY:HA2	1:181:A:LEU:HD11	2	0.14
(1,280)	1:158:A:GLY:HA2	1:181:A:LEU:HD12	2	0.14
(1,280)	1:158:A:GLY:HA2	1:181:A:LEU:HD13	2	0.14
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	4	0.14
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	4	0.14
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	4	0.14
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	5	0.14
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	5	0.14
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	5	0.14
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	19	0.14
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	19	0.14
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	19	0.14
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	17	0.14
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	17	0.14
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	17	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:100:A:ARG:HD3	1:156:A:ILE:HD11	2	0.14
(1,258)	1:100:A:ARG:HD3	1:156:A:ILE:HD12	2	0.14
(1,258)	1:100:A:ARG:HD3	1:156:A:ILE:HD13	2	0.14
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD11	18	0.14
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD12	18	0.14
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD13	18	0.14
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	11	0.14
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	19	0.14
(1,202)	1:146:A:LEU:HG	1:159:A:GLU:HA	1	0.14
(1,159)	1:91:A:THR:HB	1:133:A:ASN:HB2	16	0.14
(1,151)	1:92:A:ASP:HA	1:132:A:ALA:H	9	0.14
(1,139)	1:129:A:ILE:HA	1:193:A:ARG:HD3	1	0.14
(1,131)	1:127:A:ASN:HA	1:128:A:ILE:HB	3	0.14
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	18	0.14
(1,110)	1:123:A:ILE:HB	1:157:A:VAL:HG21	14	0.14
(1,110)	1:123:A:ILE:HB	1:157:A:VAL:HG22	14	0.14
(1,110)	1:123:A:ILE:HB	1:157:A:VAL:HG23	14	0.14
(1,106)	1:122:A:ALA:H	1:123:A:ILE:HB	14	0.14
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD11	3	0.14
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD12	3	0.14
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD13	3	0.14
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	3	0.14
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	3	0.14
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB2	18	0.14
(1,51)	1:100:A:ARG:HA	1:101:A:ASP:HB3	18	0.14
(1,27)	1:90:A:LEU:HD11	1:197:A:THR:HB	1	0.14
(1,27)	1:90:A:LEU:HD12	1:197:A:THR:HB	1	0.14
(1,27)	1:90:A:LEU:HD13	1:197:A:THR:HB	1	0.14
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB2	19	0.14
(1,9)	1:138:A:PHE:HB2	1:140:A:ARG:HB3	19	0.14
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB2	19	0.14
(1,9)	1:138:A:PHE:HB3	1:140:A:ARG:HB3	19	0.14
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	20	0.14
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	20	0.14
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	20	0.14
(1,1807)	1:200:A:ARG:HA	1:200:A:ARG:HD2	12	0.13
(1,1807)	1:200:A:ARG:HA	1:200:A:ARG:HD3	12	0.13
(1,1781)	1:194:A:VAL:HG11	1:203:A:TRP:H	13	0.13
(1,1781)	1:194:A:VAL:HG12	1:203:A:TRP:H	13	0.13
(1,1781)	1:194:A:VAL:HG13	1:203:A:TRP:H	13	0.13
(1,1781)	1:194:A:VAL:HG21	1:203:A:TRP:H	13	0.13
(1,1781)	1:194:A:VAL:HG22	1:203:A:TRP:H	13	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1781)	1:194:A:VAL:HG23	1:203:A:TRP:H	13	0.13
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG11	15	0.13
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG12	15	0.13
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG13	15	0.13
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG21	15	0.13
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG22	15	0.13
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG23	15	0.13
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	20	0.13
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	20	0.13
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	3	0.13
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	3	0.13
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	9	0.13
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	9	0.13
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	12	0.13
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	12	0.13
(1,1725)	1:176:A:ASN:HB2	1:178:A:VAL:H	7	0.13
(1,1725)	1:176:A:ASN:HB3	1:178:A:VAL:H	7	0.13
(1,1725)	1:176:A:ASN:HB2	1:178:A:VAL:H	16	0.13
(1,1725)	1:176:A:ASN:HB3	1:178:A:VAL:H	16	0.13
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB2	9	0.13
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB3	9	0.13
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB2	9	0.13
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB3	9	0.13
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB2	10	0.13
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB3	10	0.13
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB2	20	0.13
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB3	20	0.13
(1,1583)	1:123:A:ILE:HG12	1:157:A:VAL:HA	1	0.13
(1,1583)	1:123:A:ILE:HG13	1:157:A:VAL:HA	1	0.13
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG2	12	0.13
(1,1557)	1:119:A:MET:H	1:121:A:GLN:HG3	12	0.13
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	19	0.13
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	19	0.13
(1,1540)	1:115:A:LEU:HD11	1:162:A:PRO:HG2	14	0.13
(1,1540)	1:115:A:LEU:HD11	1:162:A:PRO:HG3	14	0.13
(1,1540)	1:115:A:LEU:HD12	1:162:A:PRO:HG2	14	0.13
(1,1540)	1:115:A:LEU:HD12	1:162:A:PRO:HG3	14	0.13
(1,1540)	1:115:A:LEU:HD13	1:162:A:PRO:HG2	14	0.13
(1,1540)	1:115:A:LEU:HD13	1:162:A:PRO:HG3	14	0.13
(1,1540)	1:115:A:LEU:HD21	1:162:A:PRO:HG2	14	0.13
(1,1540)	1:115:A:LEU:HD21	1:162:A:PRO:HG3	14	0.13
(1,1540)	1:115:A:LEU:HD22	1:162:A:PRO:HG2	14	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:115:A:LEU:HD22	1:162:A:PRO:HG3	14	0.13
(1,1540)	1:115:A:LEU:HD23	1:162:A:PRO:HG2	14	0.13
(1,1540)	1:115:A:LEU:HD23	1:162:A:PRO:HG3	14	0.13
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	7	0.13
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	7	0.13
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	7	0.13
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	7	0.13
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	7	0.13
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	7	0.13
(1,1500)	1:108:A:LYS:HE2	1:121:A:GLN:HG2	16	0.13
(1,1500)	1:108:A:LYS:HE2	1:121:A:GLN:HG3	16	0.13
(1,1500)	1:108:A:LYS:HE3	1:121:A:GLN:HG2	16	0.13
(1,1500)	1:108:A:LYS:HE3	1:121:A:GLN:HG3	16	0.13
(1,1497)	1:108:A:LYS:HD2	1:109:A:GLN:HA	17	0.13
(1,1497)	1:108:A:LYS:HD3	1:109:A:GLN:HA	17	0.13
(1,1471)	1:105:A:LEU:HD11	1:122:A:ALA:H	1	0.13
(1,1471)	1:105:A:LEU:HD12	1:122:A:ALA:H	1	0.13
(1,1471)	1:105:A:LEU:HD13	1:122:A:ALA:H	1	0.13
(1,1471)	1:105:A:LEU:HD21	1:122:A:ALA:H	1	0.13
(1,1471)	1:105:A:LEU:HD22	1:122:A:ALA:H	1	0.13
(1,1471)	1:105:A:LEU:HD23	1:122:A:ALA:H	1	0.13
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	8	0.13
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	8	0.13
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	8	0.13
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	8	0.13
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	8	0.13
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	8	0.13
(1,1469)	1:105:A:LEU:HD11	1:106:A:MET:H	10	0.13
(1,1469)	1:105:A:LEU:HD12	1:106:A:MET:H	10	0.13
(1,1469)	1:105:A:LEU:HD13	1:106:A:MET:H	10	0.13
(1,1469)	1:105:A:LEU:HD21	1:106:A:MET:H	10	0.13
(1,1469)	1:105:A:LEU:HD22	1:106:A:MET:H	10	0.13
(1,1469)	1:105:A:LEU:HD23	1:106:A:MET:H	10	0.13
(1,1463)	1:104:A:MET:HG2	1:119:A:MET:H	3	0.13
(1,1463)	1:104:A:MET:HG3	1:119:A:MET:H	3	0.13
(1,1428)	1:99:A:SER:HB2	1:100:A:ARG:H	16	0.13
(1,1428)	1:99:A:SER:HB3	1:100:A:ARG:H	16	0.13
(1,1421)	1:98:A:MET:H	1:99:A:SER:HB2	17	0.13
(1,1421)	1:98:A:MET:H	1:99:A:SER:HB3	17	0.13
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG2	7	0.13
(1,1414)	1:97:A:GLU:H	1:98:A:MET:HG3	7	0.13
(1,1404)	1:95:A:LEU:HD11	1:98:A:MET:H	13	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1404)	1:95:A:LEU:HD12	1:98:A:MET:H	13	0.13
(1,1404)	1:95:A:LEU:HD13	1:98:A:MET:H	13	0.13
(1,1404)	1:95:A:LEU:HD21	1:98:A:MET:H	13	0.13
(1,1404)	1:95:A:LEU:HD22	1:98:A:MET:H	13	0.13
(1,1404)	1:95:A:LEU:HD23	1:98:A:MET:H	13	0.13
(1,1400)	1:95:A:LEU:HD11	1:96:A:GLU:H	14	0.13
(1,1400)	1:95:A:LEU:HD12	1:96:A:GLU:H	14	0.13
(1,1400)	1:95:A:LEU:HD13	1:96:A:GLU:H	14	0.13
(1,1400)	1:95:A:LEU:HD21	1:96:A:GLU:H	14	0.13
(1,1400)	1:95:A:LEU:HD22	1:96:A:GLU:H	14	0.13
(1,1400)	1:95:A:LEU:HD23	1:96:A:GLU:H	14	0.13
(1,1400)	1:95:A:LEU:HD11	1:96:A:GLU:H	16	0.13
(1,1400)	1:95:A:LEU:HD12	1:96:A:GLU:H	16	0.13
(1,1400)	1:95:A:LEU:HD13	1:96:A:GLU:H	16	0.13
(1,1400)	1:95:A:LEU:HD21	1:96:A:GLU:H	16	0.13
(1,1400)	1:95:A:LEU:HD22	1:96:A:GLU:H	16	0.13
(1,1400)	1:95:A:LEU:HD23	1:96:A:GLU:H	16	0.13
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB2	3	0.13
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB3	3	0.13
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB2	3	0.13
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB3	3	0.13
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB2	3	0.13
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB3	3	0.13
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	19	0.13
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	19	0.13
(1,1361)	1:88:A:ARG:HD2	1:89:A:TYR:H	1	0.13
(1,1361)	1:88:A:ARG:HD3	1:89:A:TYR:H	1	0.13
(1,1344)	1:178:A:VAL:HG11	1:203:A:TRP:HH2	14	0.13
(1,1344)	1:178:A:VAL:HG12	1:203:A:TRP:HH2	14	0.13
(1,1344)	1:178:A:VAL:HG13	1:203:A:TRP:HH2	14	0.13
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	19	0.13
(1,1321)	1:200:A:ARG:HB3	1:201:A:PHE:H	13	0.13
(1,1319)	1:200:A:ARG:H	1:202:A:ALA:H	10	0.13
(1,1319)	1:200:A:ARG:H	1:202:A:ALA:H	17	0.13
(1,1300)	1:192:A:VAL:HB	1:193:A:ARG:H	12	0.13
(1,1272)	1:178:A:VAL:HG11	1:179:A:GLY:H	16	0.13
(1,1272)	1:178:A:VAL:HG12	1:179:A:GLY:H	16	0.13
(1,1272)	1:178:A:VAL:HG13	1:179:A:GLY:H	16	0.13
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	6	0.13
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	11	0.13
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	18	0.13
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB2	2	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB3	2	0.13
(1,1247)	1:170:A:THR:HG21	1:171:A:ASP:H	11	0.13
(1,1247)	1:170:A:THR:HG22	1:171:A:ASP:H	11	0.13
(1,1247)	1:170:A:THR:HG23	1:171:A:ASP:H	11	0.13
(1,1247)	1:170:A:THR:HG21	1:171:A:ASP:H	18	0.13
(1,1247)	1:170:A:THR:HG22	1:171:A:ASP:H	18	0.13
(1,1247)	1:170:A:THR:HG23	1:171:A:ASP:H	18	0.13
(1,1245)	1:167:A:PRO:HA	1:168:A:GLY:H	1	0.13
(1,1243)	1:116:A:CYS:HB2	1:161:A:SER:H	12	0.13
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	17	0.13
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	17	0.13
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	1	0.13
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	9	0.13
(1,1145)	1:125:A:ASP:HB3	1:126:A:LYS:H	4	0.13
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	8	0.13
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	8	0.13
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	8	0.13
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB1	9	0.13
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB2	9	0.13
(1,1138)	1:121:A:GLN:H	1:122:A:ALA:HB3	9	0.13
(1,1135)	1:120:A:ASP:H	1:123:A:ILE:HG13	14	0.13
(1,1133)	1:104:A:MET:HA	1:120:A:ASP:H	19	0.13
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	2	0.13
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG21	5	0.13
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG22	5	0.13
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG23	5	0.13
(1,1079)	1:94:A:THR:HG21	1:96:A:GLU:H	1	0.13
(1,1079)	1:94:A:THR:HG22	1:96:A:GLU:H	1	0.13
(1,1079)	1:94:A:THR:HG23	1:96:A:GLU:H	1	0.13
(1,1058)	1:178:A:VAL:HB	1:181:A:LEU:H	17	0.13
(1,1053)	1:136:A:VAL:HB	1:140:A:ARG:H	12	0.13
(1,1046)	1:105:A:LEU:HB2	1:123:A:ILE:H	5	0.13
(1,1009)	1:178:A:VAL:HG21	1:203:A:TRP:H	13	0.13
(1,1009)	1:178:A:VAL:HG22	1:203:A:TRP:H	13	0.13
(1,1009)	1:178:A:VAL:HG23	1:203:A:TRP:H	13	0.13
(1,1006)	1:178:A:VAL:HG21	1:202:A:ALA:H	19	0.13
(1,1006)	1:178:A:VAL:HG22	1:202:A:ALA:H	19	0.13
(1,1006)	1:178:A:VAL:HG23	1:202:A:ALA:H	19	0.13
(1,988)	1:195:A:SER:H	1:199:A:GLN:H	12	0.13
(1,987)	1:195:A:SER:H	1:195:A:SER:HB2	7	0.13
(1,981)	1:193:A:ARG:HG3	1:194:A:VAL:H	12	0.13
(1,977)	1:193:A:ARG:H	1:193:A:ARG:HD2	12	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:191:A:THR:H	1:191:A:THR:HG21	5	0.13
(1,966)	1:191:A:THR:H	1:191:A:THR:HG22	5	0.13
(1,966)	1:191:A:THR:H	1:191:A:THR:HG23	5	0.13
(1,966)	1:191:A:THR:H	1:191:A:THR:HG21	10	0.13
(1,966)	1:191:A:THR:H	1:191:A:THR:HG22	10	0.13
(1,966)	1:191:A:THR:H	1:191:A:THR:HG23	10	0.13
(1,962)	1:190:A:ASN:HB2	1:191:A:THR:H	1	0.13
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	8	0.13
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	12	0.13
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	5	0.13
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	3	0.13
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	4	0.13
(1,930)	1:186:A:GLU:HA	1:188:A:ASN:H	17	0.13
(1,917)	1:185:A:LEU:H	1:185:A:LEU:HB3	6	0.13
(1,917)	1:185:A:LEU:H	1:185:A:LEU:HB3	10	0.13
(1,917)	1:185:A:LEU:H	1:185:A:LEU:HB3	19	0.13
(1,912)	1:181:A:LEU:HA	1:185:A:LEU:H	20	0.13
(1,905)	1:183:A:GLY:H	1:186:A:GLU:H	7	0.13
(1,905)	1:183:A:GLY:H	1:186:A:GLU:H	17	0.13
(1,905)	1:183:A:GLY:H	1:186:A:GLU:H	18	0.13
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	16	0.13
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	16	0.13
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	17	0.13
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	17	0.13
(1,882)	1:178:A:VAL:HG21	1:180:A:VAL:H	7	0.13
(1,882)	1:178:A:VAL:HG22	1:180:A:VAL:H	7	0.13
(1,882)	1:178:A:VAL:HG23	1:180:A:VAL:H	7	0.13
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG21	14	0.13
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG22	14	0.13
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG23	14	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB1	5	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB2	5	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB3	5	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB1	8	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB2	8	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB3	8	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB1	12	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB2	12	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB3	12	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB1	18	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB2	18	0.13
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB3	18	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,854)	1:112:A:ALA:HB1	1:176:A:ASN:H	19	0.13
(1,854)	1:112:A:ALA:HB2	1:176:A:ASN:H	19	0.13
(1,854)	1:112:A:ALA:HB3	1:176:A:ASN:H	19	0.13
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	13	0.13
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	13	0.13
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	13	0.13
(1,844)	1:171:A:ASP:HA	1:174:A:VAL:H	3	0.13
(1,825)	1:169:A:HIS:HB2	1:170:A:THR:H	10	0.13
(1,813)	1:116:A:CYS:HB3	1:161:A:SER:H	13	0.13
(1,807)	1:159:A:GLU:H	1:181:A:LEU:HD21	13	0.13
(1,807)	1:159:A:GLU:H	1:181:A:LEU:HD22	13	0.13
(1,807)	1:159:A:GLU:H	1:181:A:LEU:HD23	13	0.13
(1,802)	1:158:A:GLY:H	1:159:A:GLU:H	18	0.13
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	3	0.13
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	6	0.13
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	11	0.13
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	14	0.13
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	15	0.13
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	18	0.13
(1,738)	1:129:A:ILE:HA	1:150:A:PHE:H	9	0.13
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	1	0.13
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	8	0.13
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	17	0.13
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	20	0.13
(1,700)	1:87:A:SER:HA	1:138:A:PHE:H	11	0.13
(1,680)	1:133:A:ASN:HB3	1:134:A:PHE:H	3	0.13
(1,680)	1:133:A:ASN:HB3	1:134:A:PHE:H	15	0.13
(1,677)	1:132:A:ALA:HB1	1:134:A:PHE:H	3	0.13
(1,677)	1:132:A:ALA:HB2	1:134:A:PHE:H	3	0.13
(1,677)	1:132:A:ALA:HB3	1:134:A:PHE:H	3	0.13
(1,669)	1:132:A:ALA:H	1:134:A:PHE:HD1	7	0.13
(1,669)	1:132:A:ALA:H	1:134:A:PHE:HD2	7	0.13
(1,663)	1:130:A:LEU:H	1:195:A:SER:H	16	0.13
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD1	18	0.13
(1,659)	1:129:A:ILE:H	1:150:A:PHE:HD2	18	0.13
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	12	0.13
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	17	0.13
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	9	0.13
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	15	0.13
(1,615)	1:124:A:MET:H	1:125:A:ASP:HB2	6	0.13
(1,604)	1:121:A:GLN:H	1:123:A:ILE:H	2	0.13
(1,586)	1:120:A:ASP:H	1:121:A:GLN:H	8	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	19	0.13
(1,550)	1:112:A:ALA:HB1	1:115:A:LEU:H	7	0.13
(1,550)	1:112:A:ALA:HB2	1:115:A:LEU:H	7	0.13
(1,550)	1:112:A:ALA:HB3	1:115:A:LEU:H	7	0.13
(1,545)	1:111:A:VAL:HB	1:112:A:ALA:H	13	0.13
(1,545)	1:111:A:VAL:HB	1:112:A:ALA:H	14	0.13
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	2	0.13
(1,530)	1:106:A:MET:H	1:106:A:MET:HG2	2	0.13
(1,493)	1:98:A:MET:HG3	1:99:A:SER:H	12	0.13
(1,492)	1:98:A:MET:HG2	1:99:A:SER:H	11	0.13
(1,492)	1:98:A:MET:HG2	1:99:A:SER:H	19	0.13
(1,477)	1:94:A:THR:H	1:96:A:GLU:H	8	0.13
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	17	0.13
(1,474)	1:94:A:THR:HG21	1:95:A:LEU:H	2	0.13
(1,474)	1:94:A:THR:HG22	1:95:A:LEU:H	2	0.13
(1,474)	1:94:A:THR:HG23	1:95:A:LEU:H	2	0.13
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	3	0.13
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	5	0.13
(1,465)	1:92:A:ASP:H	1:93:A:MET:HB3	3	0.13
(1,465)	1:92:A:ASP:H	1:93:A:MET:HB3	12	0.13
(1,461)	1:91:A:THR:H	1:197:A:THR:HG21	9	0.13
(1,461)	1:91:A:THR:H	1:197:A:THR:HG22	9	0.13
(1,461)	1:91:A:THR:H	1:197:A:THR:HG23	9	0.13
(1,459)	1:91:A:THR:H	1:91:A:THR:HG21	17	0.13
(1,459)	1:91:A:THR:H	1:91:A:THR:HG22	17	0.13
(1,459)	1:91:A:THR:H	1:91:A:THR:HG23	17	0.13
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG21	7	0.13
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG22	7	0.13
(1,454)	1:90:A:LEU:H	1:136:A:VAL:HG23	7	0.13
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD21	19	0.13
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD22	19	0.13
(1,452)	1:90:A:LEU:H	1:90:A:LEU:HD23	19	0.13
(1,447)	1:89:A:TYR:H	1:90:A:LEU:H	10	0.13
(1,438)	1:142:A:GLU:H	1:142:A:GLU:HG2	6	0.13
(1,438)	1:142:A:GLU:H	1:142:A:GLU:HG3	6	0.13
(1,438)	1:142:A:GLU:H	1:142:A:GLU:HG2	19	0.13
(1,438)	1:142:A:GLU:H	1:142:A:GLU:HG3	19	0.13
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	14	0.13
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	14	0.13
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	14	0.13
(1,416)	1:182:A:ILE:HG21	1:203:A:TRP:HZ2	6	0.13
(1,416)	1:182:A:ILE:HG22	1:203:A:TRP:HZ2	6	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:182:A:ILE:HG23	1:203:A:TRP:HZ2	6	0.13
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	13	0.13
(1,390)	1:197:A:THR:HA	1:197:A:THR:HG21	8	0.13
(1,390)	1:197:A:THR:HA	1:197:A:THR:HG22	8	0.13
(1,390)	1:197:A:THR:HA	1:197:A:THR:HG23	8	0.13
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	11	0.13
(1,364)	1:190:A:ASN:HB3	1:191:A:THR:HB	15	0.13
(1,344)	1:181:A:LEU:HG	1:185:A:LEU:H	3	0.13
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	7	0.13
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	16	0.13
(1,330)	1:181:A:LEU:HA	1:181:A:LEU:HD11	19	0.13
(1,330)	1:181:A:LEU:HA	1:181:A:LEU:HD12	19	0.13
(1,330)	1:181:A:LEU:HA	1:181:A:LEU:HD13	19	0.13
(1,319)	1:178:A:VAL:HA	1:178:A:VAL:HG11	20	0.13
(1,319)	1:178:A:VAL:HA	1:178:A:VAL:HG12	20	0.13
(1,319)	1:178:A:VAL:HA	1:178:A:VAL:HG13	20	0.13
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG11	6	0.13
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG12	6	0.13
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG13	6	0.13
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	13	0.13
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	13	0.13
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	13	0.13
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	15	0.13
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	15	0.13
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	15	0.13
(1,245)	1:155:A:ALA:HB1	1:156:A:ILE:HA	8	0.13
(1,245)	1:155:A:ALA:HB2	1:156:A:ILE:HA	8	0.13
(1,245)	1:155:A:ALA:HB3	1:156:A:ILE:HA	8	0.13
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	4	0.13
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	9	0.13
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	14	0.13
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	18	0.13
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG21	17	0.13
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG22	17	0.13
(1,218)	1:150:A:PHE:HA	1:151:A:THR:HG23	17	0.13
(1,179)	1:137:A:ILE:HB	1:138:A:PHE:H	5	0.13
(1,179)	1:137:A:ILE:HB	1:138:A:PHE:H	14	0.13
(1,172)	1:134:A:PHE:HD1	1:144:A:LEU:HD11	9	0.13
(1,172)	1:134:A:PHE:HD1	1:144:A:LEU:HD12	9	0.13
(1,172)	1:134:A:PHE:HD1	1:144:A:LEU:HD13	9	0.13
(1,172)	1:134:A:PHE:HD1	1:144:A:LEU:HD21	9	0.13
(1,172)	1:134:A:PHE:HD1	1:144:A:LEU:HD22	9	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:134:A:PHE:HD1	1:144:A:LEU:HD23	9	0.13
(1,172)	1:134:A:PHE:HD2	1:144:A:LEU:HD11	9	0.13
(1,172)	1:134:A:PHE:HD2	1:144:A:LEU:HD12	9	0.13
(1,172)	1:134:A:PHE:HD2	1:144:A:LEU:HD13	9	0.13
(1,172)	1:134:A:PHE:HD2	1:144:A:LEU:HD21	9	0.13
(1,172)	1:134:A:PHE:HD2	1:144:A:LEU:HD22	9	0.13
(1,172)	1:134:A:PHE:HD2	1:144:A:LEU:HD23	9	0.13
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG21	7	0.13
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG22	7	0.13
(1,168)	1:134:A:PHE:HB2	1:145:A:ILE:HG23	7	0.13
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG21	7	0.13
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG22	7	0.13
(1,168)	1:134:A:PHE:HB3	1:145:A:ILE:HG23	7	0.13
(1,151)	1:92:A:ASP:HA	1:132:A:ALA:H	6	0.13
(1,139)	1:129:A:ILE:HA	1:193:A:ARG:HD3	17	0.13
(1,121)	1:125:A:ASP:H	1:188:A:ASN:HB3	6	0.13
(1,106)	1:122:A:ALA:H	1:123:A:ILE:HB	20	0.13
(1,84)	1:115:A:LEU:HG	1:173:A:ASP:HA	5	0.13
(1,50)	1:100:A:ARG:H	1:100:A:ARG:HD2	14	0.13
(1,27)	1:90:A:LEU:HD11	1:197:A:THR:HB	15	0.13
(1,27)	1:90:A:LEU:HD12	1:197:A:THR:HB	15	0.13
(1,27)	1:90:A:LEU:HD13	1:197:A:THR:HB	15	0.13
(1,17)	1:88:A:ARG:HG2	1:89:A:TYR:H	7	0.13
(1,4)	1:93:A:MET:HE1	1:146:A:LEU:H	14	0.13
(1,4)	1:93:A:MET:HE2	1:146:A:LEU:H	14	0.13
(1,4)	1:93:A:MET:HE3	1:146:A:LEU:H	14	0.13
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG21	1	0.12
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG22	1	0.12
(1,1792)	1:196:A:GLU:HG2	1:197:A:THR:HG23	1	0.12
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG21	1	0.12
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG22	1	0.12
(1,1792)	1:196:A:GLU:HG3	1:197:A:THR:HG23	1	0.12
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG21	11	0.12
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG22	11	0.12
(1,1788)	1:195:A:SER:HB2	1:197:A:THR:HG23	11	0.12
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG21	11	0.12
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG22	11	0.12
(1,1788)	1:195:A:SER:HB3	1:197:A:THR:HG23	11	0.12
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG11	3	0.12
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG12	3	0.12
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG13	3	0.12
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG21	3	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG22	3	0.12
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG23	3	0.12
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG11	3	0.12
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG12	3	0.12
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG13	3	0.12
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG21	3	0.12
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG22	3	0.12
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG23	3	0.12
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG11	3	0.12
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG12	3	0.12
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG13	3	0.12
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG21	3	0.12
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG22	3	0.12
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG23	3	0.12
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG11	15	0.12
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG12	15	0.12
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG13	15	0.12
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG21	15	0.12
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG22	15	0.12
(1,1771)	1:191:A:THR:HG21	1:192:A:VAL:HG23	15	0.12
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG11	15	0.12
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG12	15	0.12
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG13	15	0.12
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG21	15	0.12
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG22	15	0.12
(1,1771)	1:191:A:THR:HG22	1:192:A:VAL:HG23	15	0.12
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG11	15	0.12
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG12	15	0.12
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG13	15	0.12
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG21	15	0.12
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG22	15	0.12
(1,1771)	1:191:A:THR:HG23	1:192:A:VAL:HG23	15	0.12
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG11	1	0.12
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG12	1	0.12
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG13	1	0.12
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG21	1	0.12
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG22	1	0.12
(1,1770)	1:191:A:THR:HB	1:192:A:VAL:HG23	1	0.12
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG11	19	0.12
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG12	19	0.12
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG13	19	0.12
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG21	19	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG22	19	0.12
(1,1745)	1:182:A:ILE:HA	1:192:A:VAL:HG23	19	0.12
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG21	17	0.12
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG22	17	0.12
(1,1737)	1:179:A:GLY:HA2	1:182:A:ILE:HG23	17	0.12
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG21	17	0.12
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG22	17	0.12
(1,1737)	1:179:A:GLY:HA3	1:182:A:ILE:HG23	17	0.12
(1,1735)	1:179:A:GLY:HA2	1:182:A:ILE:H	8	0.12
(1,1735)	1:179:A:GLY:HA3	1:182:A:ILE:H	8	0.12
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	15	0.12
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	15	0.12
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	16	0.12
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	16	0.12
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	17	0.12
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	17	0.12
(1,1689)	1:159:A:GLU:HG2	1:160:A:ILE:HG21	5	0.12
(1,1689)	1:159:A:GLU:HG2	1:160:A:ILE:HG22	5	0.12
(1,1689)	1:159:A:GLU:HG2	1:160:A:ILE:HG23	5	0.12
(1,1689)	1:159:A:GLU:HG3	1:160:A:ILE:HG21	5	0.12
(1,1689)	1:159:A:GLU:HG3	1:160:A:ILE:HG22	5	0.12
(1,1689)	1:159:A:GLU:HG3	1:160:A:ILE:HG23	5	0.12
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	5	0.12
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	5	0.12
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	5	0.12
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	5	0.12
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	5	0.12
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	5	0.12
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	11	0.12
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	11	0.12
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	11	0.12
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	11	0.12
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	11	0.12
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	11	0.12
(1,1650)	1:136:A:VAL:HG11	1:137:A:ILE:HA	14	0.12
(1,1650)	1:136:A:VAL:HG12	1:137:A:ILE:HA	14	0.12
(1,1650)	1:136:A:VAL:HG13	1:137:A:ILE:HA	14	0.12
(1,1650)	1:136:A:VAL:HG21	1:137:A:ILE:HA	14	0.12
(1,1650)	1:136:A:VAL:HG22	1:137:A:ILE:HA	14	0.12
(1,1650)	1:136:A:VAL:HG23	1:137:A:ILE:HA	14	0.12
(1,1649)	1:136:A:VAL:HG11	1:137:A:ILE:H	17	0.12
(1,1649)	1:136:A:VAL:HG12	1:137:A:ILE:H	17	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1649)	1:136:A:VAL:HG13	1:137:A:ILE:H	17	0.12
(1,1649)	1:136:A:VAL:HG21	1:137:A:ILE:H	17	0.12
(1,1649)	1:136:A:VAL:HG22	1:137:A:ILE:H	17	0.12
(1,1649)	1:136:A:VAL:HG23	1:137:A:ILE:H	17	0.12
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG11	8	0.12
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG12	8	0.12
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG13	8	0.12
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG21	8	0.12
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG22	8	0.12
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG23	8	0.12
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB1	14	0.12
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB2	14	0.12
(1,1632)	1:130:A:LEU:HD11	1:132:A:ALA:HB3	14	0.12
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB1	14	0.12
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB2	14	0.12
(1,1632)	1:130:A:LEU:HD12	1:132:A:ALA:HB3	14	0.12
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB1	14	0.12
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB2	14	0.12
(1,1632)	1:130:A:LEU:HD13	1:132:A:ALA:HB3	14	0.12
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB1	14	0.12
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB2	14	0.12
(1,1632)	1:130:A:LEU:HD21	1:132:A:ALA:HB3	14	0.12
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB1	14	0.12
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB2	14	0.12
(1,1632)	1:130:A:LEU:HD22	1:132:A:ALA:HB3	14	0.12
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB1	14	0.12
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB2	14	0.12
(1,1632)	1:130:A:LEU:HD23	1:132:A:ALA:HB3	14	0.12
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG11	2	0.12
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG12	2	0.12
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG13	2	0.12
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG21	2	0.12
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG22	2	0.12
(1,1625)	1:130:A:LEU:H	1:192:A:VAL:HG23	2	0.12
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG11	3	0.12
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG12	3	0.12
(1,1616)	1:128:A:ILE:HG12	1:157:A:VAL:HG13	3	0.12
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG11	3	0.12
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG12	3	0.12
(1,1616)	1:128:A:ILE:HG13	1:157:A:VAL:HG13	3	0.12
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	7	0.12
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	7	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1612)	1:128:A:ILE:HG12	1:129:A:ILE:H	12	0.12
(1,1612)	1:128:A:ILE:HG13	1:129:A:ILE:H	12	0.12
(1,1588)	1:124:A:MET:HA	1:189:A:ASP:HB2	20	0.12
(1,1588)	1:124:A:MET:HA	1:189:A:ASP:HB3	20	0.12
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB2	3	0.12
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB3	3	0.12
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB2	19	0.12
(1,1585)	1:124:A:MET:H	1:124:A:MET:HB3	19	0.12
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG21	20	0.12
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG22	20	0.12
(1,1566)	1:120:A:ASP:HB2	1:123:A:ILE:HG23	20	0.12
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG21	20	0.12
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG22	20	0.12
(1,1566)	1:120:A:ASP:HB3	1:123:A:ILE:HG23	20	0.12
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	3	0.12
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	3	0.12
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	7	0.12
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	7	0.12
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	15	0.12
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	15	0.12
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	15	0.12
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	15	0.12
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	15	0.12
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	15	0.12
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG2	5	0.12
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG3	5	0.12
(1,1493)	1:108:A:LYS:HG2	1:119:A:MET:H	13	0.12
(1,1493)	1:108:A:LYS:HG3	1:119:A:MET:H	13	0.12
(1,1492)	1:108:A:LYS:HG2	1:110:A:LYS:H	17	0.12
(1,1492)	1:108:A:LYS:HG3	1:110:A:LYS:H	17	0.12
(1,1460)	1:104:A:MET:HG2	1:105:A:LEU:H	3	0.12
(1,1460)	1:104:A:MET:HG3	1:105:A:LEU:H	3	0.12
(1,1443)	1:100:A:ARG:HD2	1:156:A:ILE:HD11	5	0.12
(1,1443)	1:100:A:ARG:HD2	1:156:A:ILE:HD12	5	0.12
(1,1443)	1:100:A:ARG:HD2	1:156:A:ILE:HD13	5	0.12
(1,1443)	1:100:A:ARG:HD3	1:156:A:ILE:HD11	5	0.12
(1,1443)	1:100:A:ARG:HD3	1:156:A:ILE:HD12	5	0.12
(1,1443)	1:100:A:ARG:HD3	1:156:A:ILE:HD13	5	0.12
(1,1436)	1:100:A:ARG:HB2	1:102:A:TRP:H	3	0.12
(1,1436)	1:100:A:ARG:HB3	1:102:A:TRP:H	3	0.12
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	15	0.12
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	15	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1391)	1:94:A:THR:H	1:97:A:GLU:HG2	20	0.12
(1,1391)	1:94:A:THR:H	1:97:A:GLU:HG3	20	0.12
(1,1359)	1:88:A:ARG:HG2	1:90:A:LEU:H	16	0.12
(1,1359)	1:88:A:ARG:HG3	1:90:A:LEU:H	16	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	1	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	1	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	1	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	1	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	1	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	1	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	8	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	8	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	8	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	8	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	8	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	8	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG11	17	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG12	17	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG13	17	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG21	17	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG22	17	0.12
(1,1352)	1:88:A:ARG:HA	1:136:A:VAL:HG23	17	0.12
(1,1340)	1:134:A:PHE:HE1	1:201:A:PHE:HD1	6	0.12
(1,1340)	1:134:A:PHE:HE1	1:201:A:PHE:HD2	6	0.12
(1,1340)	1:134:A:PHE:HE2	1:201:A:PHE:HD1	6	0.12
(1,1340)	1:134:A:PHE:HE2	1:201:A:PHE:HD2	6	0.12
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD11	9	0.12
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD12	9	0.12
(1,1336)	1:89:A:TYR:HD1	1:145:A:ILE:HD13	9	0.12
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD11	9	0.12
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD12	9	0.12
(1,1336)	1:89:A:TYR:HD2	1:145:A:ILE:HD13	9	0.12
(1,1321)	1:200:A:ARG:HB3	1:201:A:PHE:H	7	0.12
(1,1321)	1:200:A:ARG:HB3	1:201:A:PHE:H	11	0.12
(1,1321)	1:200:A:ARG:HB3	1:201:A:PHE:H	17	0.12
(1,1319)	1:200:A:ARG:H	1:202:A:ALA:H	9	0.12
(1,1300)	1:192:A:VAL:HB	1:193:A:ARG:H	14	0.12
(1,1296)	1:191:A:THR:H	1:192:A:VAL:H	8	0.12
(1,1277)	1:182:A:ILE:H	1:182:A:ILE:HD11	1	0.12
(1,1277)	1:182:A:ILE:H	1:182:A:ILE:HD12	1	0.12
(1,1277)	1:182:A:ILE:H	1:182:A:ILE:HD13	1	0.12
(1,1273)	1:178:A:VAL:HG21	1:179:A:GLY:H	8	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:178:A:VAL:HG22	1:179:A:GLY:H	8	0.12
(1,1273)	1:178:A:VAL:HG23	1:179:A:GLY:H	8	0.12
(1,1265)	1:173:A:ASP:HA	1:177:A:ALA:H	1	0.12
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	5	0.12
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	8	0.12
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	9	0.12
(1,1261)	1:174:A:VAL:HB	1:176:A:ASN:H	14	0.12
(1,1249)	1:171:A:ASP:H	1:172:A:GLU:HB2	20	0.12
(1,1249)	1:171:A:ASP:H	1:172:A:GLU:HB3	20	0.12
(1,1247)	1:170:A:THR:HG21	1:171:A:ASP:H	16	0.12
(1,1247)	1:170:A:THR:HG22	1:171:A:ASP:H	16	0.12
(1,1247)	1:170:A:THR:HG23	1:171:A:ASP:H	16	0.12
(1,1240)	1:149:A:ALA:H	1:160:A:ILE:H	8	0.12
(1,1234)	1:118:A:ARG:HA	1:159:A:GLU:H	12	0.12
(1,1231)	1:119:A:MET:HA	1:158:A:GLY:H	5	0.12
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	2	0.12
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	4	0.12
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	11	0.12
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	14	0.12
(1,1195)	1:147:A:LEU:H	1:148:A:ARG:HA	18	0.12
(1,1173)	1:134:A:PHE:H	1:135:A:SER:HA	8	0.12
(1,1170)	1:133:A:ASN:H	1:145:A:ILE:HB	11	0.12
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE1	19	0.12
(1,1169)	1:132:A:ALA:H	1:134:A:PHE:HE2	19	0.12
(1,1166)	1:93:A:MET:HE1	1:132:A:ALA:H	11	0.12
(1,1166)	1:93:A:MET:HE2	1:132:A:ALA:H	11	0.12
(1,1166)	1:93:A:MET:HE3	1:132:A:ALA:H	11	0.12
(1,1160)	1:131:A:LYS:H	1:147:A:LEU:HG	8	0.12
(1,1131)	1:118:A:ARG:H	1:119:A:MET:HA	17	0.12
(1,1128)	1:118:A:ARG:H	1:118:A:ARG:HB2	4	0.12
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	1	0.12
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	5	0.12
(1,1095)	1:102:A:TRP:H	1:102:A:TRP:HE1	20	0.12
(1,1058)	1:178:A:VAL:HB	1:181:A:LEU:H	5	0.12
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD11	17	0.12
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD12	17	0.12
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD13	17	0.12
(1,1013)	1:202:A:ALA:HA	1:203:A:TRP:H	5	0.12
(1,1013)	1:202:A:ALA:HA	1:203:A:TRP:H	11	0.12
(1,985)	1:130:A:LEU:HD21	1:195:A:SER:H	7	0.12
(1,985)	1:130:A:LEU:HD22	1:195:A:SER:H	7	0.12
(1,985)	1:130:A:LEU:HD23	1:195:A:SER:H	7	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,973)	1:192:A:VAL:H	1:193:A:ARG:HG2	8	0.12
(1,966)	1:191:A:THR:H	1:191:A:THR:HG21	12	0.12
(1,966)	1:191:A:THR:H	1:191:A:THR:HG22	12	0.12
(1,966)	1:191:A:THR:H	1:191:A:THR:HG23	12	0.12
(1,960)	1:127:A:ASN:HB2	1:191:A:THR:H	10	0.12
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	1	0.12
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	10	0.12
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	2	0.12
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	4	0.12
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	5	0.12
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	6	0.12
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	8	0.12
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	10	0.12
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	12	0.12
(1,949)	1:189:A:ASP:HA	1:190:A:ASN:H	19	0.12
(1,943)	1:189:A:ASP:H	1:189:A:ASP:HB2	8	0.12
(1,937)	1:188:A:ASN:H	1:190:A:ASN:H	11	0.12
(1,905)	1:183:A:GLY:H	1:186:A:GLU:H	3	0.12
(1,903)	1:182:A:ILE:HD11	1:183:A:GLY:H	8	0.12
(1,903)	1:182:A:ILE:HD12	1:183:A:GLY:H	8	0.12
(1,903)	1:182:A:ILE:HD13	1:183:A:GLY:H	8	0.12
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	7	0.12
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	7	0.12
(1,890)	1:180:A:VAL:HG21	1:181:A:LEU:H	5	0.12
(1,890)	1:180:A:VAL:HG22	1:181:A:LEU:H	5	0.12
(1,890)	1:180:A:VAL:HG23	1:181:A:LEU:H	5	0.12
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	7	0.12
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	7	0.12
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	7	0.12
(1,875)	1:112:A:ALA:HB1	1:179:A:GLY:H	18	0.12
(1,875)	1:112:A:ALA:HB2	1:179:A:GLY:H	18	0.12
(1,875)	1:112:A:ALA:HB3	1:179:A:GLY:H	18	0.12
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG21	3	0.12
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG22	3	0.12
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG23	3	0.12
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG21	10	0.12
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG22	10	0.12
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG23	10	0.12
(1,862)	1:115:A:LEU:HB2	1:177:A:ALA:H	5	0.12
(1,850)	1:171:A:ASP:HA	1:175:A:LYS:H	2	0.12
(1,850)	1:171:A:ASP:HA	1:175:A:LYS:H	13	0.12
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	1	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	1	0.12
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	1	0.12
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	4	0.12
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	4	0.12
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	4	0.12
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	14	0.12
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	14	0.12
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	14	0.12
(1,843)	1:172:A:GLU:HB2	1:173:A:ASP:H	4	0.12
(1,843)	1:172:A:GLU:HB3	1:173:A:ASP:H	4	0.12
(1,826)	1:169:A:HIS:HB3	1:170:A:THR:H	13	0.12
(1,826)	1:169:A:HIS:HB3	1:170:A:THR:H	20	0.12
(1,813)	1:116:A:CYS:HB3	1:161:A:SER:H	1	0.12
(1,813)	1:116:A:CYS:HB3	1:161:A:SER:H	10	0.12
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB2	20	0.12
(1,806)	1:159:A:GLU:H	1:181:A:LEU:HB3	20	0.12
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	11	0.12
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	16	0.12
(1,798)	1:119:A:MET:HA	1:159:A:GLU:H	20	0.12
(1,789)	1:150:A:PHE:HA	1:158:A:GLY:H	19	0.12
(1,766)	1:151:A:THR:HA	1:154:A:GLY:H	10	0.12
(1,766)	1:151:A:THR:HA	1:154:A:GLY:H	13	0.12
(1,760)	1:151:A:THR:HA	1:153:A:GLU:H	10	0.12
(1,760)	1:151:A:THR:HA	1:153:A:GLU:H	17	0.12
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	4	0.12
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	8	0.12
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	9	0.12
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	10	0.12
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	13	0.12
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	15	0.12
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	18	0.12
(1,748)	1:150:A:PHE:H	1:157:A:VAL:H	4	0.12
(1,745)	1:150:A:PHE:H	1:150:A:PHE:HB3	4	0.12
(1,742)	1:148:A:ARG:HB2	1:150:A:PHE:H	3	0.12
(1,742)	1:148:A:ARG:HB3	1:150:A:PHE:H	3	0.12
(1,738)	1:129:A:ILE:HA	1:150:A:PHE:H	3	0.12
(1,667)	1:131:A:LYS:H	1:149:A:ALA:H	16	0.12
(1,664)	1:129:A:ILE:HG21	1:131:A:LYS:H	15	0.12
(1,664)	1:129:A:ILE:HG22	1:131:A:LYS:H	15	0.12
(1,664)	1:129:A:ILE:HG23	1:131:A:LYS:H	15	0.12
(1,652)	1:128:A:ILE:H	1:192:A:VAL:HA	2	0.12
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	7	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	11	0.12
(1,641)	1:127:A:ASN:H	1:191:A:THR:H	8	0.12
(1,626)	1:125:A:ASP:HA	1:126:A:LYS:H	2	0.12
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	11	0.12
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	16	0.12
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	17	0.12
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	2	0.12
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	18	0.12
(1,564)	1:117:A:ILE:HG21	1:119:A:MET:H	2	0.12
(1,564)	1:117:A:ILE:HG22	1:119:A:MET:H	2	0.12
(1,564)	1:117:A:ILE:HG23	1:119:A:MET:H	2	0.12
(1,553)	1:115:A:LEU:H	1:115:A:LEU:HG	11	0.12
(1,553)	1:115:A:LEU:H	1:115:A:LEU:HG	18	0.12
(1,545)	1:111:A:VAL:HB	1:112:A:ALA:H	6	0.12
(1,545)	1:111:A:VAL:HB	1:112:A:ALA:H	18	0.12
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	5	0.12
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	11	0.12
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	2	0.12
(1,508)	1:102:A:TRP:H	1:156:A:ILE:HD11	8	0.12
(1,508)	1:102:A:TRP:H	1:156:A:ILE:HD12	8	0.12
(1,508)	1:102:A:TRP:H	1:156:A:ILE:HD13	8	0.12
(1,477)	1:94:A:THR:H	1:96:A:GLU:H	9	0.12
(1,474)	1:94:A:THR:HG21	1:95:A:LEU:H	12	0.12
(1,474)	1:94:A:THR:HG22	1:95:A:LEU:H	12	0.12
(1,474)	1:94:A:THR:HG23	1:95:A:LEU:H	12	0.12
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	4	0.12
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	10	0.12
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	10	0.12
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	10	0.12
(1,426)	1:115:A:LEU:HG	1:174:A:VAL:H	6	0.12
(1,411)	1:202:A:ALA:HB1	1:203:A:TRP:HE3	2	0.12
(1,411)	1:202:A:ALA:HB2	1:203:A:TRP:HE3	2	0.12
(1,411)	1:202:A:ALA:HB3	1:203:A:TRP:HE3	2	0.12
(1,406)	1:202:A:ALA:HA	1:203:A:TRP:HB2	6	0.12
(1,396)	1:200:A:ARG:H	1:200:A:ARG:HG3	12	0.12
(1,369)	1:190:A:ASN:HA	1:191:A:THR:HB	18	0.12
(1,344)	1:181:A:LEU:HG	1:185:A:LEU:H	18	0.12
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	12	0.12
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD21	14	0.12
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD22	14	0.12
(1,332)	1:181:A:LEU:HA	1:181:A:LEU:HD23	14	0.12
(1,329)	1:180:A:VAL:HB	1:181:A:LEU:HA	4	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,321)	1:177:A:ALA:HB1	1:179:A:GLY:H	19	0.12
(1,321)	1:177:A:ALA:HB2	1:179:A:GLY:H	19	0.12
(1,321)	1:177:A:ALA:HB3	1:179:A:GLY:H	19	0.12
(1,316)	1:160:A:ILE:HG21	1:178:A:VAL:HA	5	0.12
(1,316)	1:160:A:ILE:HG22	1:178:A:VAL:HA	5	0.12
(1,316)	1:160:A:ILE:HG23	1:178:A:VAL:HA	5	0.12
(1,314)	1:177:A:ALA:HB1	1:180:A:VAL:HB	7	0.12
(1,314)	1:177:A:ALA:HB2	1:180:A:VAL:HB	7	0.12
(1,314)	1:177:A:ALA:HB3	1:180:A:VAL:HB	7	0.12
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG11	10	0.12
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG12	10	0.12
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG13	10	0.12
(1,301)	1:172:A:GLU:HG2	1:173:A:ASP:H	2	0.12
(1,301)	1:172:A:GLU:HG3	1:173:A:ASP:H	2	0.12
(1,301)	1:172:A:GLU:HG2	1:173:A:ASP:H	11	0.12
(1,301)	1:172:A:GLU:HG3	1:173:A:ASP:H	11	0.12
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG21	7	0.12
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG22	7	0.12
(1,290)	1:169:A:HIS:H	1:170:A:THR:HG23	7	0.12
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	16	0.12
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	16	0.12
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	16	0.12
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	17	0.12
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	17	0.12
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	17	0.12
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	18	0.12
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	18	0.12
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	18	0.12
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG11	14	0.12
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG12	14	0.12
(1,274)	1:151:A:THR:HA	1:157:A:VAL:HG13	14	0.12
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD11	7	0.12
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD12	7	0.12
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD13	7	0.12
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD11	9	0.12
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD12	9	0.12
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD13	9	0.12
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD11	11	0.12
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD12	11	0.12
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD13	11	0.12
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD11	17	0.12
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD12	17	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD13	17	0.12
(1,245)	1:155:A:ALA:HB1	1:156:A:ILE:HA	17	0.12
(1,245)	1:155:A:ALA:HB2	1:156:A:ILE:HA	17	0.12
(1,245)	1:155:A:ALA:HB3	1:156:A:ILE:HA	17	0.12
(1,245)	1:155:A:ALA:HB1	1:156:A:ILE:HA	20	0.12
(1,245)	1:155:A:ALA:HB2	1:156:A:ILE:HA	20	0.12
(1,245)	1:155:A:ALA:HB3	1:156:A:ILE:HA	20	0.12
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	8	0.12
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	8	0.12
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	8	0.12
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	8	0.12
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	8	0.12
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	8	0.12
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB1	15	0.12
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB2	15	0.12
(1,228)	1:150:A:PHE:HD1	1:155:A:ALA:HB3	15	0.12
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB1	15	0.12
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB2	15	0.12
(1,228)	1:150:A:PHE:HD2	1:155:A:ALA:HB3	15	0.12
(1,166)	1:134:A:PHE:HB2	1:145:A:ILE:HA	3	0.12
(1,166)	1:134:A:PHE:HB3	1:145:A:ILE:HA	3	0.12
(1,151)	1:92:A:ASP:HA	1:132:A:ALA:H	11	0.12
(1,120)	1:124:A:MET:HA	1:125:A:ASP:HB3	15	0.12
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG21	1	0.12
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG22	1	0.12
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG23	1	0.12
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG21	1	0.12
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG22	1	0.12
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG23	1	0.12
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG21	1	0.12
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG22	1	0.12
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG23	1	0.12
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG21	6	0.12
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG22	6	0.12
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG23	6	0.12
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG21	6	0.12
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG22	6	0.12
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG23	6	0.12
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG21	6	0.12
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG22	6	0.12
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG23	6	0.12
(1,50)	1:100:A:ARG:H	1:100:A:ARG:HD2	9	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:91:A:THR:HG21	1:133:A:ASN:HB3	8	0.12
(1,36)	1:91:A:THR:HG22	1:133:A:ASN:HB3	8	0.12
(1,36)	1:91:A:THR:HG23	1:133:A:ASN:HB3	8	0.12
(1,1743)	1:180:A:VAL:HG11	1:181:A:LEU:HA	9	0.11
(1,1743)	1:180:A:VAL:HG12	1:181:A:LEU:HA	9	0.11
(1,1743)	1:180:A:VAL:HG13	1:181:A:LEU:HA	9	0.11
(1,1743)	1:180:A:VAL:HG21	1:181:A:LEU:HA	9	0.11
(1,1743)	1:180:A:VAL:HG22	1:181:A:LEU:HA	9	0.11
(1,1743)	1:180:A:VAL:HG23	1:181:A:LEU:HA	9	0.11
(1,1725)	1:176:A:ASN:HB2	1:178:A:VAL:H	3	0.11
(1,1725)	1:176:A:ASN:HB3	1:178:A:VAL:H	3	0.11
(1,1725)	1:176:A:ASN:HB2	1:178:A:VAL:H	11	0.11
(1,1725)	1:176:A:ASN:HB3	1:178:A:VAL:H	11	0.11
(1,1725)	1:176:A:ASN:HB2	1:178:A:VAL:H	15	0.11
(1,1725)	1:176:A:ASN:HB3	1:178:A:VAL:H	15	0.11
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB2	20	0.11
(1,1709)	1:172:A:GLU:HG2	1:176:A:ASN:HB3	20	0.11
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB2	20	0.11
(1,1709)	1:172:A:GLU:HG3	1:176:A:ASN:HB3	20	0.11
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB2	15	0.11
(1,1706)	1:171:A:ASP:HB2	1:172:A:GLU:HB3	15	0.11
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB2	15	0.11
(1,1706)	1:171:A:ASP:HB3	1:172:A:GLU:HB3	15	0.11
(1,1695)	1:165:A:SER:HB2	1:166:A:LEU:H	10	0.11
(1,1695)	1:165:A:SER:HB3	1:166:A:LEU:H	10	0.11
(1,1692)	1:162:A:PRO:HG2	1:163:A:LEU:H	12	0.11
(1,1692)	1:162:A:PRO:HG3	1:163:A:LEU:H	12	0.11
(1,1668)	1:147:A:LEU:HD11	1:149:A:ALA:H	6	0.11
(1,1668)	1:147:A:LEU:HD12	1:149:A:ALA:H	6	0.11
(1,1668)	1:147:A:LEU:HD13	1:149:A:ALA:H	6	0.11
(1,1668)	1:147:A:LEU:HD21	1:149:A:ALA:H	6	0.11
(1,1668)	1:147:A:LEU:HD22	1:149:A:ALA:H	6	0.11
(1,1668)	1:147:A:LEU:HD23	1:149:A:ALA:H	6	0.11
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG11	12	0.11
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG12	12	0.11
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG13	12	0.11
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG21	12	0.11
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG22	12	0.11
(1,1642)	1:134:A:PHE:H	1:136:A:VAL:HG23	12	0.11
(1,1594)	1:124:A:MET:HG2	1:125:A:ASP:H	6	0.11
(1,1594)	1:124:A:MET:HG3	1:125:A:ASP:H	6	0.11
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	15	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	15	0.11
(1,1535)	1:115:A:LEU:HD11	1:116:A:CYS:H	6	0.11
(1,1535)	1:115:A:LEU:HD12	1:116:A:CYS:H	6	0.11
(1,1535)	1:115:A:LEU:HD13	1:116:A:CYS:H	6	0.11
(1,1535)	1:115:A:LEU:HD21	1:116:A:CYS:H	6	0.11
(1,1535)	1:115:A:LEU:HD22	1:116:A:CYS:H	6	0.11
(1,1535)	1:115:A:LEU:HD23	1:116:A:CYS:H	6	0.11
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG2	4	0.11
(1,1504)	1:110:A:LYS:H	1:110:A:LYS:HG3	4	0.11
(1,1500)	1:108:A:LYS:HE2	1:121:A:GLN:HG2	17	0.11
(1,1500)	1:108:A:LYS:HE2	1:121:A:GLN:HG3	17	0.11
(1,1500)	1:108:A:LYS:HE3	1:121:A:GLN:HG2	17	0.11
(1,1500)	1:108:A:LYS:HE3	1:121:A:GLN:HG3	17	0.11
(1,1487)	1:108:A:LYS:HB2	1:121:A:GLN:H	14	0.11
(1,1487)	1:108:A:LYS:HB3	1:121:A:GLN:H	14	0.11
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	14	0.11
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	14	0.11
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	14	0.11
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	14	0.11
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG2	17	0.11
(1,1476)	1:106:A:MET:HB2	1:121:A:GLN:HG3	17	0.11
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG2	17	0.11
(1,1476)	1:106:A:MET:HB3	1:121:A:GLN:HG3	17	0.11
(1,1471)	1:105:A:LEU:HD11	1:122:A:ALA:H	4	0.11
(1,1471)	1:105:A:LEU:HD12	1:122:A:ALA:H	4	0.11
(1,1471)	1:105:A:LEU:HD13	1:122:A:ALA:H	4	0.11
(1,1471)	1:105:A:LEU:HD21	1:122:A:ALA:H	4	0.11
(1,1471)	1:105:A:LEU:HD22	1:122:A:ALA:H	4	0.11
(1,1471)	1:105:A:LEU:HD23	1:122:A:ALA:H	4	0.11
(1,1471)	1:105:A:LEU:HD11	1:122:A:ALA:H	20	0.11
(1,1471)	1:105:A:LEU:HD12	1:122:A:ALA:H	20	0.11
(1,1471)	1:105:A:LEU:HD13	1:122:A:ALA:H	20	0.11
(1,1471)	1:105:A:LEU:HD21	1:122:A:ALA:H	20	0.11
(1,1471)	1:105:A:LEU:HD22	1:122:A:ALA:H	20	0.11
(1,1471)	1:105:A:LEU:HD23	1:122:A:ALA:H	20	0.11
(1,1421)	1:98:A:MET:H	1:99:A:SER:HB2	10	0.11
(1,1421)	1:98:A:MET:H	1:99:A:SER:HB3	10	0.11
(1,1421)	1:98:A:MET:H	1:99:A:SER:HB2	20	0.11
(1,1421)	1:98:A:MET:H	1:99:A:SER:HB3	20	0.11
(1,1411)	1:96:A:GLU:HB2	1:100:A:ARG:H	5	0.11
(1,1411)	1:96:A:GLU:HB3	1:100:A:ARG:H	5	0.11
(1,1400)	1:95:A:LEU:HD11	1:96:A:GLU:H	4	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:95:A:LEU:HD12	1:96:A:GLU:H	4	0.11
(1,1400)	1:95:A:LEU:HD13	1:96:A:GLU:H	4	0.11
(1,1400)	1:95:A:LEU:HD21	1:96:A:GLU:H	4	0.11
(1,1400)	1:95:A:LEU:HD22	1:96:A:GLU:H	4	0.11
(1,1400)	1:95:A:LEU:HD23	1:96:A:GLU:H	4	0.11
(1,1387)	1:93:A:MET:HG2	1:94:A:THR:H	17	0.11
(1,1387)	1:93:A:MET:HG3	1:94:A:THR:H	17	0.11
(1,1373)	1:90:A:LEU:HD11	1:197:A:THR:H	8	0.11
(1,1373)	1:90:A:LEU:HD12	1:197:A:THR:H	8	0.11
(1,1373)	1:90:A:LEU:HD13	1:197:A:THR:H	8	0.11
(1,1373)	1:90:A:LEU:HD21	1:197:A:THR:H	8	0.11
(1,1373)	1:90:A:LEU:HD22	1:197:A:THR:H	8	0.11
(1,1373)	1:90:A:LEU:HD23	1:197:A:THR:H	8	0.11
(1,1361)	1:88:A:ARG:HD2	1:89:A:TYR:H	20	0.11
(1,1361)	1:88:A:ARG:HD3	1:89:A:TYR:H	20	0.11
(1,1322)	1:201:A:PHE:H	1:202:A:ALA:HA	10	0.11
(1,1319)	1:200:A:ARG:H	1:202:A:ALA:H	2	0.11
(1,1318)	1:200:A:ARG:H	1:200:A:ARG:HB3	1	0.11
(1,1287)	1:189:A:ASP:H	1:189:A:ASP:HB3	7	0.11
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB2	18	0.11
(1,1252)	1:172:A:GLU:H	1:175:A:LYS:HB3	18	0.11
(1,1234)	1:118:A:ARG:HA	1:159:A:GLU:H	7	0.11
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	5	0.11
(1,1227)	1:150:A:PHE:HD1	1:157:A:VAL:H	7	0.11
(1,1227)	1:150:A:PHE:HD2	1:157:A:VAL:H	7	0.11
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	4	0.11
(1,1212)	1:151:A:THR:H	1:155:A:ALA:HA	20	0.11
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	6	0.11
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	12	0.11
(1,1198)	1:147:A:LEU:HB2	1:148:A:ARG:H	16	0.11
(1,1197)	1:132:A:ALA:HB1	1:148:A:ARG:H	6	0.11
(1,1197)	1:132:A:ALA:HB2	1:148:A:ARG:H	6	0.11
(1,1197)	1:132:A:ALA:HB3	1:148:A:ARG:H	6	0.11
(1,1195)	1:147:A:LEU:H	1:148:A:ARG:HA	5	0.11
(1,1195)	1:147:A:LEU:H	1:148:A:ARG:HA	11	0.11
(1,1195)	1:147:A:LEU:H	1:148:A:ARG:HA	12	0.11
(1,1195)	1:147:A:LEU:H	1:148:A:ARG:HA	20	0.11
(1,1192)	1:145:A:ILE:HD11	1:146:A:LEU:H	15	0.11
(1,1192)	1:145:A:ILE:HD12	1:146:A:LEU:H	15	0.11
(1,1192)	1:145:A:ILE:HD13	1:146:A:LEU:H	15	0.11
(1,1180)	1:136:A:VAL:H	1:136:A:VAL:HB	7	0.11
(1,1163)	1:131:A:LYS:H	1:150:A:PHE:H	3	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:131:A:LYS:H	1:150:A:PHE:H	5	0.11
(1,1151)	1:128:A:ILE:H	1:129:A:ILE:H	6	0.11
(1,1151)	1:128:A:ILE:H	1:129:A:ILE:H	8	0.11
(1,1131)	1:118:A:ARG:H	1:119:A:MET:HA	6	0.11
(1,1131)	1:118:A:ARG:H	1:119:A:MET:HA	8	0.11
(1,1131)	1:118:A:ARG:H	1:119:A:MET:HA	20	0.11
(1,1125)	1:117:A:ILE:H	1:118:A:ARG:HA	6	0.11
(1,1114)	1:112:A:ALA:H	1:115:A:LEU:HB3	9	0.11
(1,1103)	1:108:A:LYS:H	1:118:A:ARG:HA	12	0.11
(1,1098)	1:103:A:PHE:H	1:104:A:MET:H	8	0.11
(1,1098)	1:103:A:PHE:H	1:104:A:MET:H	16	0.11
(1,1098)	1:103:A:PHE:H	1:104:A:MET:H	19	0.11
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG21	1	0.11
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG22	1	0.11
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG23	1	0.11
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG21	17	0.11
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG22	17	0.11
(1,1097)	1:102:A:TRP:H	1:156:A:ILE:HG23	17	0.11
(1,1095)	1:102:A:TRP:H	1:102:A:TRP:HE1	18	0.11
(1,1088)	1:98:A:MET:HB2	1:99:A:SER:H	5	0.11
(1,1058)	1:178:A:VAL:HB	1:181:A:LEU:H	6	0.11
(1,1048)	1:130:A:LEU:H	1:192:A:VAL:HA	20	0.11
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD11	15	0.11
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD12	15	0.11
(1,1045)	1:120:A:ASP:H	1:181:A:LEU:HD13	15	0.11
(1,1031)	1:147:A:LEU:HG	1:160:A:ILE:HB	19	0.11
(1,1013)	1:202:A:ALA:HA	1:203:A:TRP:H	15	0.11
(1,1013)	1:202:A:ALA:HA	1:203:A:TRP:H	20	0.11
(1,1011)	1:201:A:PHE:H	1:203:A:TRP:H	4	0.11
(1,981)	1:193:A:ARG:HG3	1:194:A:VAL:H	9	0.11
(1,978)	1:193:A:ARG:H	1:194:A:VAL:H	16	0.11
(1,971)	1:192:A:VAL:H	1:193:A:ARG:H	3	0.11
(1,966)	1:191:A:THR:H	1:191:A:THR:HG21	6	0.11
(1,966)	1:191:A:THR:H	1:191:A:THR:HG22	6	0.11
(1,966)	1:191:A:THR:H	1:191:A:THR:HG23	6	0.11
(1,966)	1:191:A:THR:H	1:191:A:THR:HG21	17	0.11
(1,966)	1:191:A:THR:H	1:191:A:THR:HG22	17	0.11
(1,966)	1:191:A:THR:H	1:191:A:THR:HG23	17	0.11
(1,966)	1:191:A:THR:H	1:191:A:THR:HG21	20	0.11
(1,966)	1:191:A:THR:H	1:191:A:THR:HG22	20	0.11
(1,966)	1:191:A:THR:H	1:191:A:THR:HG23	20	0.11
(1,957)	1:126:A:LYS:H	1:191:A:THR:H	11	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	11	0.11
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	13	0.11
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	19	0.11
(1,931)	1:187:A:ARG:HA	1:188:A:ASN:H	9	0.11
(1,931)	1:187:A:ARG:HA	1:188:A:ASN:H	16	0.11
(1,927)	1:186:A:GLU:H	1:190:A:ASN:H	10	0.11
(1,917)	1:185:A:LEU:H	1:185:A:LEU:HB3	8	0.11
(1,917)	1:185:A:LEU:H	1:185:A:LEU:HB3	11	0.11
(1,917)	1:185:A:LEU:H	1:185:A:LEU:HB3	15	0.11
(1,917)	1:185:A:LEU:H	1:185:A:LEU:HB3	16	0.11
(1,912)	1:181:A:LEU:HA	1:185:A:LEU:H	5	0.11
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	9	0.11
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	9	0.11
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA2	11	0.11
(1,902)	1:182:A:ILE:H	1:183:A:GLY:HA3	11	0.11
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG21	6	0.11
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG22	6	0.11
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG23	6	0.11
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG21	8	0.11
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG22	8	0.11
(1,867)	1:177:A:ALA:H	1:178:A:VAL:HG23	8	0.11
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB1	3	0.11
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB2	3	0.11
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB3	3	0.11
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB1	4	0.11
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB2	4	0.11
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB3	4	0.11
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB1	9	0.11
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB2	9	0.11
(1,860)	1:176:A:ASN:H	1:177:A:ALA:HB3	9	0.11
(1,850)	1:171:A:ASP:HA	1:175:A:LYS:H	5	0.11
(1,847)	1:174:A:VAL:H	1:174:A:VAL:HG21	3	0.11
(1,847)	1:174:A:VAL:H	1:174:A:VAL:HG22	3	0.11
(1,847)	1:174:A:VAL:H	1:174:A:VAL:HG23	3	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	2	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	2	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	2	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	6	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	6	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	6	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	7	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	7	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	7	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	8	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	8	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	8	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	11	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	11	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	11	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	12	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	12	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	12	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	15	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	15	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	15	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	16	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	16	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	16	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	17	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	17	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	17	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG11	18	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG12	18	0.11
(1,846)	1:174:A:VAL:H	1:174:A:VAL:HG13	18	0.11
(1,790)	1:156:A:ILE:HA	1:158:A:GLY:H	16	0.11
(1,789)	1:150:A:PHE:HA	1:158:A:GLY:H	6	0.11
(1,760)	1:151:A:THR:HA	1:153:A:GLU:H	4	0.11
(1,760)	1:151:A:THR:HA	1:153:A:GLU:H	20	0.11
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	2	0.11
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	5	0.11
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	12	0.11
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	14	0.11
(1,697)	1:136:A:VAL:HG11	1:137:A:ILE:H	14	0.11
(1,697)	1:136:A:VAL:HG12	1:137:A:ILE:H	14	0.11
(1,697)	1:136:A:VAL:HG13	1:137:A:ILE:H	14	0.11
(1,664)	1:129:A:ILE:HG21	1:131:A:LYS:H	20	0.11
(1,664)	1:129:A:ILE:HG22	1:131:A:LYS:H	20	0.11
(1,664)	1:129:A:ILE:HG23	1:131:A:LYS:H	20	0.11
(1,652)	1:128:A:ILE:H	1:192:A:VAL:HA	20	0.11
(1,625)	1:123:A:ILE:HG21	1:126:A:LYS:H	12	0.11
(1,625)	1:123:A:ILE:HG22	1:126:A:LYS:H	12	0.11
(1,625)	1:123:A:ILE:HG23	1:126:A:LYS:H	12	0.11
(1,625)	1:123:A:ILE:HG21	1:126:A:LYS:H	16	0.11
(1,625)	1:123:A:ILE:HG22	1:126:A:LYS:H	16	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:123:A:ILE:HG23	1:126:A:LYS:H	16	0.11
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	17	0.11
(1,609)	1:123:A:ILE:H	1:124:A:MET:H	19	0.11
(1,604)	1:121:A:GLN:H	1:123:A:ILE:H	7	0.11
(1,597)	1:120:A:ASP:HA	1:122:A:ALA:H	8	0.11
(1,580)	1:120:A:ASP:H	1:158:A:GLY:H	12	0.11
(1,579)	1:120:A:ASP:H	1:157:A:VAL:HG21	20	0.11
(1,579)	1:120:A:ASP:H	1:157:A:VAL:HG22	20	0.11
(1,579)	1:120:A:ASP:H	1:157:A:VAL:HG23	20	0.11
(1,565)	1:118:A:ARG:H	1:119:A:MET:H	7	0.11
(1,537)	1:108:A:LYS:HG2	1:109:A:GLN:H	17	0.11
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	16	0.11
(1,528)	1:105:A:LEU:HD11	1:106:A:MET:H	16	0.11
(1,528)	1:105:A:LEU:HD12	1:106:A:MET:H	16	0.11
(1,528)	1:105:A:LEU:HD13	1:106:A:MET:H	16	0.11
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	16	0.11
(1,495)	1:98:A:MET:H	1:100:A:ARG:H	5	0.11
(1,477)	1:94:A:THR:H	1:96:A:GLU:H	2	0.11
(1,477)	1:94:A:THR:H	1:96:A:GLU:H	17	0.11
(1,476)	1:95:A:LEU:H	1:98:A:MET:H	20	0.11
(1,474)	1:94:A:THR:HG21	1:95:A:LEU:H	10	0.11
(1,474)	1:94:A:THR:HG22	1:95:A:LEU:H	10	0.11
(1,474)	1:94:A:THR:HG23	1:95:A:LEU:H	10	0.11
(1,473)	1:94:A:THR:H	1:95:A:LEU:H	19	0.11
(1,465)	1:92:A:ASP:H	1:93:A:MET:HB3	6	0.11
(1,455)	1:90:A:LEU:H	1:91:A:THR:H	4	0.11
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD11	8	0.11
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD12	8	0.11
(1,451)	1:90:A:LEU:H	1:90:A:LEU:HD13	8	0.11
(1,437)	1:136:A:VAL:HG21	1:142:A:GLU:H	20	0.11
(1,437)	1:136:A:VAL:HG22	1:142:A:GLU:H	20	0.11
(1,437)	1:136:A:VAL:HG23	1:142:A:GLU:H	20	0.11
(1,417)	1:178:A:VAL:HB	1:203:A:TRP:HZ3	14	0.11
(1,364)	1:190:A:ASN:HB3	1:191:A:THR:HB	4	0.11
(1,364)	1:190:A:ASN:HB3	1:191:A:THR:HB	20	0.11
(1,344)	1:181:A:LEU:HG	1:185:A:LEU:H	12	0.11
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	11	0.11
(1,343)	1:182:A:ILE:HA	1:184:A:GLY:H	19	0.11
(1,339)	1:182:A:ILE:HD11	1:192:A:VAL:HB	20	0.11
(1,339)	1:182:A:ILE:HD12	1:192:A:VAL:HB	20	0.11
(1,339)	1:182:A:ILE:HD13	1:192:A:VAL:HB	20	0.11
(1,321)	1:177:A:ALA:HB1	1:179:A:GLY:H	14	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,321)	1:177:A:ALA:HB2	1:179:A:GLY:H	14	0.11
(1,321)	1:177:A:ALA:HB3	1:179:A:GLY:H	14	0.11
(1,309)	1:175:A:LYS:HA	1:178:A:VAL:HG21	17	0.11
(1,309)	1:175:A:LYS:HA	1:178:A:VAL:HG22	17	0.11
(1,309)	1:175:A:LYS:HA	1:178:A:VAL:HG23	17	0.11
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG11	19	0.11
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG12	19	0.11
(1,308)	1:175:A:LYS:HA	1:178:A:VAL:HG13	19	0.11
(1,301)	1:172:A:GLU:HG2	1:173:A:ASP:H	7	0.11
(1,301)	1:172:A:GLU:HG3	1:173:A:ASP:H	7	0.11
(1,298)	1:170:A:THR:HG21	1:172:A:GLU:HB2	2	0.11
(1,298)	1:170:A:THR:HG21	1:172:A:GLU:HB3	2	0.11
(1,298)	1:170:A:THR:HG22	1:172:A:GLU:HB2	2	0.11
(1,298)	1:170:A:THR:HG22	1:172:A:GLU:HB3	2	0.11
(1,298)	1:170:A:THR:HG23	1:172:A:GLU:HB2	2	0.11
(1,298)	1:170:A:THR:HG23	1:172:A:GLU:HB3	2	0.11
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	1	0.11
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	1	0.11
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	1	0.11
(1,277)	1:157:A:VAL:HG11	1:158:A:GLY:H	3	0.11
(1,277)	1:157:A:VAL:HG12	1:158:A:GLY:H	3	0.11
(1,277)	1:157:A:VAL:HG13	1:158:A:GLY:H	3	0.11
(1,245)	1:155:A:ALA:HB1	1:156:A:ILE:HA	11	0.11
(1,245)	1:155:A:ALA:HB2	1:156:A:ILE:HA	11	0.11
(1,245)	1:155:A:ALA:HB3	1:156:A:ILE:HA	11	0.11
(1,245)	1:155:A:ALA:HB1	1:156:A:ILE:HA	12	0.11
(1,245)	1:155:A:ALA:HB2	1:156:A:ILE:HA	12	0.11
(1,245)	1:155:A:ALA:HB3	1:156:A:ILE:HA	12	0.11
(1,245)	1:155:A:ALA:HB1	1:156:A:ILE:HA	13	0.11
(1,245)	1:155:A:ALA:HB2	1:156:A:ILE:HA	13	0.11
(1,245)	1:155:A:ALA:HB3	1:156:A:ILE:HA	13	0.11
(1,150)	1:131:A:LYS:HA	1:147:A:LEU:HG	9	0.11
(1,150)	1:131:A:LYS:HA	1:147:A:LEU:HG	18	0.11
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG21	13	0.11
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG22	13	0.11
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG23	13	0.11
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG21	13	0.11
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG22	13	0.11
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG23	13	0.11
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG21	13	0.11
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG22	13	0.11
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG23	13	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE1	7	0.11
(1,6)	1:137:A:ILE:HG12	1:138:A:PHE:HE2	7	0.11
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE1	7	0.11
(1,6)	1:137:A:ILE:HG13	1:138:A:PHE:HE2	7	0.11
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA2	18	0.1
(1,1729)	1:178:A:VAL:H	1:179:A:GLY:HA3	18	0.1
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB1	13	0.1
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB2	13	0.1
(1,1686)	1:153:A:GLU:HG2	1:155:A:ALA:HB3	13	0.1
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB1	13	0.1
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB2	13	0.1
(1,1686)	1:153:A:GLU:HG3	1:155:A:ALA:HB3	13	0.1
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG2	6	0.1
(1,1659)	1:146:A:LEU:HB2	1:159:A:GLU:HG3	6	0.1
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG2	6	0.1
(1,1659)	1:146:A:LEU:HB3	1:159:A:GLU:HG3	6	0.1
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB2	8	0.1
(1,1626)	1:130:A:LEU:H	1:193:A:ARG:HB3	8	0.1
(1,1555)	1:118:A:ARG:HG2	1:119:A:MET:H	2	0.1
(1,1555)	1:118:A:ARG:HG3	1:119:A:MET:H	2	0.1
(1,1535)	1:115:A:LEU:HD11	1:116:A:CYS:H	4	0.1
(1,1535)	1:115:A:LEU:HD12	1:116:A:CYS:H	4	0.1
(1,1535)	1:115:A:LEU:HD13	1:116:A:CYS:H	4	0.1
(1,1535)	1:115:A:LEU:HD21	1:116:A:CYS:H	4	0.1
(1,1535)	1:115:A:LEU:HD22	1:116:A:CYS:H	4	0.1
(1,1535)	1:115:A:LEU:HD23	1:116:A:CYS:H	4	0.1
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG11	13	0.1
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG12	13	0.1
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG13	13	0.1
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG21	13	0.1
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG22	13	0.1
(1,1529)	1:112:A:ALA:H	1:180:A:VAL:HG23	13	0.1
(1,1428)	1:99:A:SER:HB2	1:100:A:ARG:H	1	0.1
(1,1428)	1:99:A:SER:HB3	1:100:A:ARG:H	1	0.1
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB2	17	0.1
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB3	17	0.1
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB2	17	0.1
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB3	17	0.1
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB2	17	0.1
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB3	17	0.1
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB2	19	0.1
(1,1394)	1:94:A:THR:HG21	1:97:A:GLU:HB3	19	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB2	19	0.1
(1,1394)	1:94:A:THR:HG22	1:97:A:GLU:HB3	19	0.1
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB2	19	0.1
(1,1394)	1:94:A:THR:HG23	1:97:A:GLU:HB3	19	0.1
(1,1319)	1:200:A:ARG:H	1:202:A:ALA:H	7	0.1
(1,1318)	1:200:A:ARG:H	1:200:A:ARG:HB3	5	0.1
(1,1318)	1:200:A:ARG:H	1:200:A:ARG:HB3	9	0.1
(1,1318)	1:200:A:ARG:H	1:200:A:ARG:HB3	14	0.1
(1,1300)	1:192:A:VAL:HB	1:193:A:ARG:H	18	0.1
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG11	20	0.1
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG12	20	0.1
(1,1269)	1:178:A:VAL:H	1:178:A:VAL:HG13	20	0.1
(1,1247)	1:170:A:THR:HG21	1:171:A:ASP:H	6	0.1
(1,1247)	1:170:A:THR:HG22	1:171:A:ASP:H	6	0.1
(1,1247)	1:170:A:THR:HG23	1:171:A:ASP:H	6	0.1
(1,1243)	1:116:A:CYS:HB2	1:161:A:SER:H	11	0.1
(1,1229)	1:156:A:ILE:HG12	1:157:A:VAL:H	12	0.1
(1,1222)	1:155:A:ALA:H	1:157:A:VAL:HG11	19	0.1
(1,1222)	1:155:A:ALA:H	1:157:A:VAL:HG12	19	0.1
(1,1222)	1:155:A:ALA:H	1:157:A:VAL:HG13	19	0.1
(1,1185)	1:137:A:ILE:HD11	1:138:A:PHE:H	9	0.1
(1,1185)	1:137:A:ILE:HD12	1:138:A:PHE:H	9	0.1
(1,1185)	1:137:A:ILE:HD13	1:138:A:PHE:H	9	0.1
(1,1173)	1:134:A:PHE:H	1:135:A:SER:HA	2	0.1
(1,1163)	1:131:A:LYS:H	1:150:A:PHE:H	18	0.1
(1,1098)	1:103:A:PHE:H	1:104:A:MET:H	5	0.1
(1,1098)	1:103:A:PHE:H	1:104:A:MET:H	11	0.1
(1,1098)	1:103:A:PHE:H	1:104:A:MET:H	12	0.1
(1,1006)	1:178:A:VAL:HG21	1:202:A:ALA:H	6	0.1
(1,1006)	1:178:A:VAL:HG22	1:202:A:ALA:H	6	0.1
(1,1006)	1:178:A:VAL:HG23	1:202:A:ALA:H	6	0.1
(1,981)	1:193:A:ARG:HG3	1:194:A:VAL:H	2	0.1
(1,966)	1:191:A:THR:H	1:191:A:THR:HG21	18	0.1
(1,966)	1:191:A:THR:H	1:191:A:THR:HG22	18	0.1
(1,966)	1:191:A:THR:H	1:191:A:THR:HG23	18	0.1
(1,959)	1:127:A:ASN:HA	1:191:A:THR:H	16	0.1
(1,953)	1:190:A:ASN:H	1:190:A:ASN:HB3	20	0.1
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	1	0.1
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	14	0.1
(1,951)	1:189:A:ASP:HB3	1:190:A:ASN:H	20	0.1
(1,947)	1:188:A:ASN:HA	1:190:A:ASN:H	2	0.1
(1,946)	1:185:A:LEU:HA	1:190:A:ASN:H	7	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:187:A:ARG:HD2	1:188:A:ASN:H	15	0.1
(1,933)	1:187:A:ARG:HD3	1:188:A:ASN:H	15	0.1
(1,917)	1:185:A:LEU:H	1:185:A:LEU:HB3	3	0.1
(1,917)	1:185:A:LEU:H	1:185:A:LEU:HB3	5	0.1
(1,912)	1:181:A:LEU:HA	1:185:A:LEU:H	19	0.1
(1,903)	1:182:A:ILE:HD11	1:183:A:GLY:H	2	0.1
(1,903)	1:182:A:ILE:HD12	1:183:A:GLY:H	2	0.1
(1,903)	1:182:A:ILE:HD13	1:183:A:GLY:H	2	0.1
(1,850)	1:171:A:ASP:HA	1:175:A:LYS:H	17	0.1
(1,840)	1:170:A:THR:H	1:173:A:ASP:H	20	0.1
(1,816)	1:117:A:ILE:HG13	1:161:A:SER:H	1	0.1
(1,814)	1:117:A:ILE:HA	1:161:A:SER:H	15	0.1
(1,773)	1:151:A:THR:HG21	1:155:A:ALA:H	10	0.1
(1,773)	1:151:A:THR:HG22	1:155:A:ALA:H	10	0.1
(1,773)	1:151:A:THR:HG23	1:155:A:ALA:H	10	0.1
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	2	0.1
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	5	0.1
(1,749)	1:150:A:PHE:H	1:151:A:THR:H	7	0.1
(1,738)	1:129:A:ILE:HA	1:150:A:PHE:H	1	0.1
(1,730)	1:148:A:ARG:H	1:149:A:ALA:H	11	0.1
(1,718)	1:146:A:LEU:HB2	1:147:A:LEU:H	18	0.1
(1,718)	1:146:A:LEU:HB3	1:147:A:LEU:H	18	0.1
(1,667)	1:131:A:LYS:H	1:149:A:ALA:H	3	0.1
(1,647)	1:128:A:ILE:H	1:128:A:ILE:HG12	6	0.1
(1,634)	1:127:A:ASN:H	1:127:A:ASN:HD22	4	0.1
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	4	0.1
(1,622)	1:125:A:ASP:H	1:125:A:ASP:HB3	19	0.1
(1,614)	1:124:A:MET:H	1:125:A:ASP:HB3	12	0.1
(1,597)	1:120:A:ASP:HA	1:122:A:ALA:H	5	0.1
(1,571)	1:102:A:TRP:HH2	1:120:A:ASP:H	2	0.1
(1,554)	1:115:A:LEU:H	1:116:A:CYS:H	9	0.1
(1,535)	1:108:A:LYS:H	1:109:A:GLN:HA	7	0.1
(1,518)	1:104:A:MET:H	1:105:A:LEU:H	10	0.1
(1,474)	1:94:A:THR:HG21	1:95:A:LEU:H	19	0.1
(1,474)	1:94:A:THR:HG22	1:95:A:LEU:H	19	0.1
(1,474)	1:94:A:THR:HG23	1:95:A:LEU:H	19	0.1
(1,442)	1:88:A:ARG:HE	1:89:A:TYR:H	5	0.1
(1,438)	1:142:A:GLU:H	1:142:A:GLU:HG2	3	0.1
(1,438)	1:142:A:GLU:H	1:142:A:GLU:HG3	3	0.1
(1,411)	1:202:A:ALA:HB1	1:203:A:TRP:HE3	10	0.1
(1,411)	1:202:A:ALA:HB2	1:203:A:TRP:HE3	10	0.1
(1,411)	1:202:A:ALA:HB3	1:203:A:TRP:HE3	10	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:190:A:ASN:HB3	1:191:A:THR:HB	12	0.1
(1,333)	1:181:A:LEU:HG	1:182:A:ILE:HA	4	0.1
(1,314)	1:177:A:ALA:HB1	1:180:A:VAL:HB	10	0.1
(1,314)	1:177:A:ALA:HB2	1:180:A:VAL:HB	10	0.1
(1,314)	1:177:A:ALA:HB3	1:180:A:VAL:HB	10	0.1
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD11	8	0.1
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD12	8	0.1
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD13	8	0.1
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD11	20	0.1
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD12	20	0.1
(1,252)	1:156:A:ILE:HA	1:156:A:ILE:HD13	20	0.1
(1,245)	1:155:A:ALA:HB1	1:156:A:ILE:HA	2	0.1
(1,245)	1:155:A:ALA:HB2	1:156:A:ILE:HA	2	0.1
(1,245)	1:155:A:ALA:HB3	1:156:A:ILE:HA	2	0.1
(1,245)	1:155:A:ALA:HB1	1:156:A:ILE:HA	5	0.1
(1,245)	1:155:A:ALA:HB2	1:156:A:ILE:HA	5	0.1
(1,245)	1:155:A:ALA:HB3	1:156:A:ILE:HA	5	0.1
(1,245)	1:155:A:ALA:HB1	1:156:A:ILE:HA	9	0.1
(1,245)	1:155:A:ALA:HB2	1:156:A:ILE:HA	9	0.1
(1,245)	1:155:A:ALA:HB3	1:156:A:ILE:HA	9	0.1
(1,240)	1:152:A:GLU:HA	1:153:A:GLU:HA	20	0.1
(1,150)	1:131:A:LYS:HA	1:147:A:LEU:HG	6	0.1
(1,150)	1:131:A:LYS:HA	1:147:A:LEU:HG	17	0.1
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG21	12	0.1
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG22	12	0.1
(1,119)	1:123:A:ILE:HG21	1:157:A:VAL:HG23	12	0.1
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG21	12	0.1
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG22	12	0.1
(1,119)	1:123:A:ILE:HG22	1:157:A:VAL:HG23	12	0.1
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG21	12	0.1
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG22	12	0.1
(1,119)	1:123:A:ILE:HG23	1:157:A:VAL:HG23	12	0.1
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD11	9	0.1
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD12	9	0.1
(1,78)	1:115:A:LEU:H	1:117:A:ILE:HD13	9	0.1
(1,49)	1:98:A:MET:HB3	1:99:A:SER:H	8	0.1
(1,17)	1:88:A:ARG:HG2	1:89:A:TYR:H	18	0.1
(1,14)	1:146:A:LEU:HG	1:161:A:SER:HA	5	0.1

10 Dihedral-angle violation analysis [i](#)

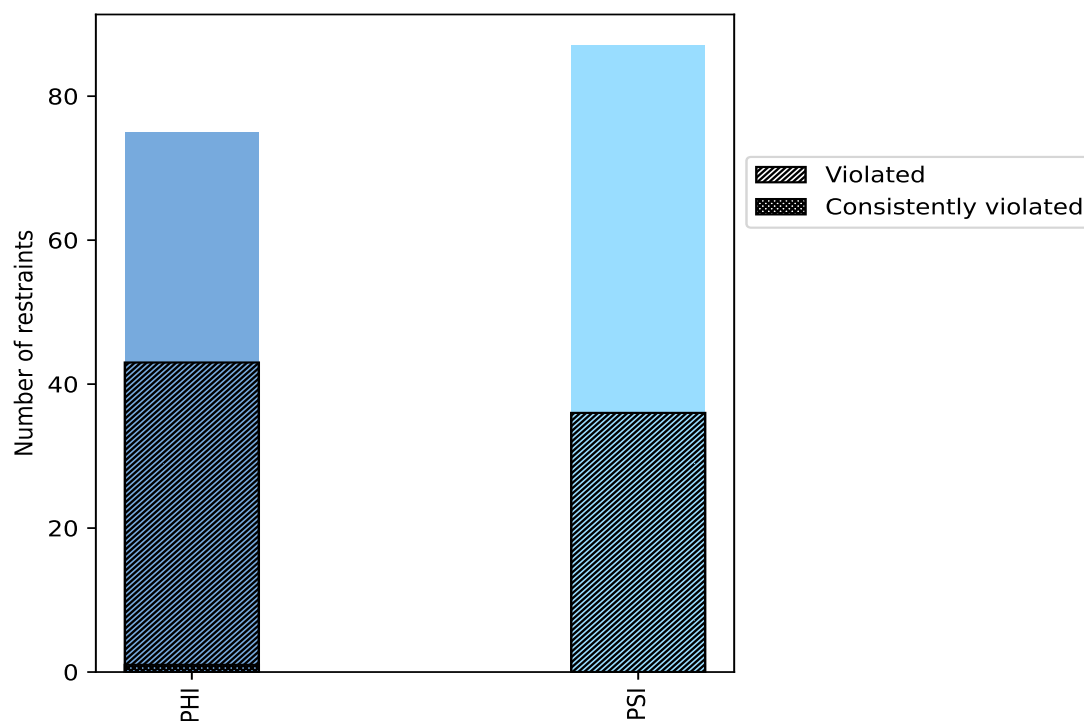
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PHI	75	46.3	43	57.3	26.5	1	1.3	0.6
PSI	87	53.7	36	41.4	22.2	0	0.0	0.0
Total	162	100.0	79	48.8	48.8	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 [i](#)



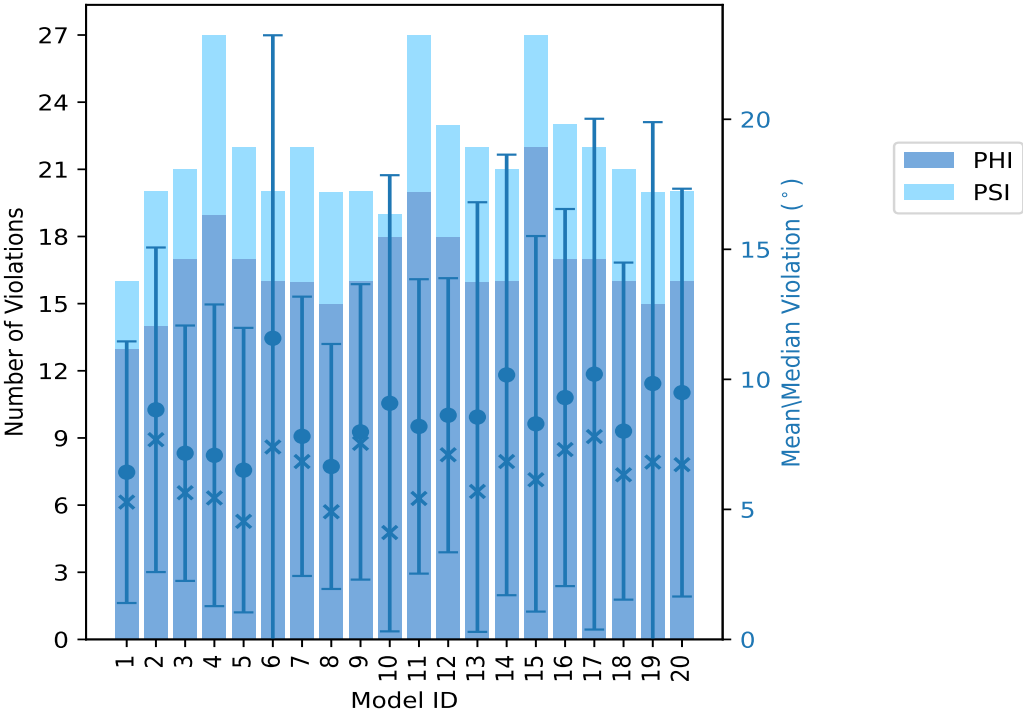
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	13	3	16	6.43	20.63	5.03	5.28
2	14	6	20	8.83	23.19	6.24	7.68
3	17	4	21	7.16	19.24	4.91	5.64
4	19	8	27	7.08	24.8	5.8	5.44
5	17	5	22	6.51	21.63	5.47	4.54
6	16	4	20	11.58	46.59	11.65	7.4
7	16	6	22	7.81	22.03	5.37	6.84
8	15	5	20	6.65	17.5	4.71	4.91
9	16	4	20	7.98	21.1	5.68	7.54
10	18	1	19	9.08	33.85	8.77	4.11
11	20	7	27	8.19	23.74	5.66	5.42
12	18	5	23	8.62	24.31	5.27	7.1
13	16	6	22	8.55	37.15	8.26	5.69
14	16	5	21	10.17	38.05	8.47	6.84
15	22	5	27	8.29	31.91	7.22	6.14
16	17	6	23	9.3	25.99	7.25	7.3
17	17	5	22	10.2	48.83	9.82	7.8
18	16	5	21	8.01	28.4	6.48	6.33
19	15	5	20	9.84	46.61	10.05	6.82
20	16	4	20	9.49	31.03	7.84	6.72

10.2.1 Bar graph : Dihedral violation statistics for each model [i](#)



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

10.3 Dihedral-angle violation statistics for the ensemble [i](#)

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

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
9	19	28	1	5.0
5	7	12	2	10.0
4	1	5	3	15.0
3	2	5	4	20.0
0	3	3	5	25.0
1	0	1	6	30.0
1	1	2	7	35.0
0	0	0	8	40.0
2	0	2	9	45.0
2	2	4	10	50.0
2	0	2	11	55.0

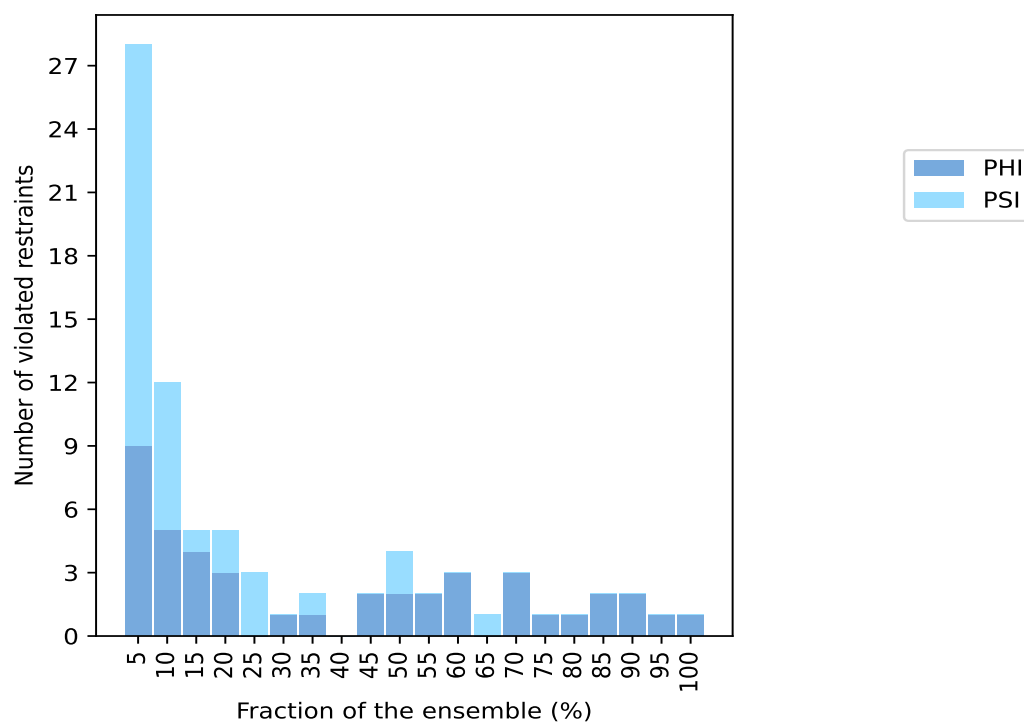
Continued on next page...

Continued from previous page...

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
3	0	3	12	60.0
0	1	1	13	65.0
3	0	3	14	70.0
1	0	1	15	75.0
1	0	1	16	80.0
2	0	2	17	85.0
2	0	2	18	90.0
1	0	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 ⓘ

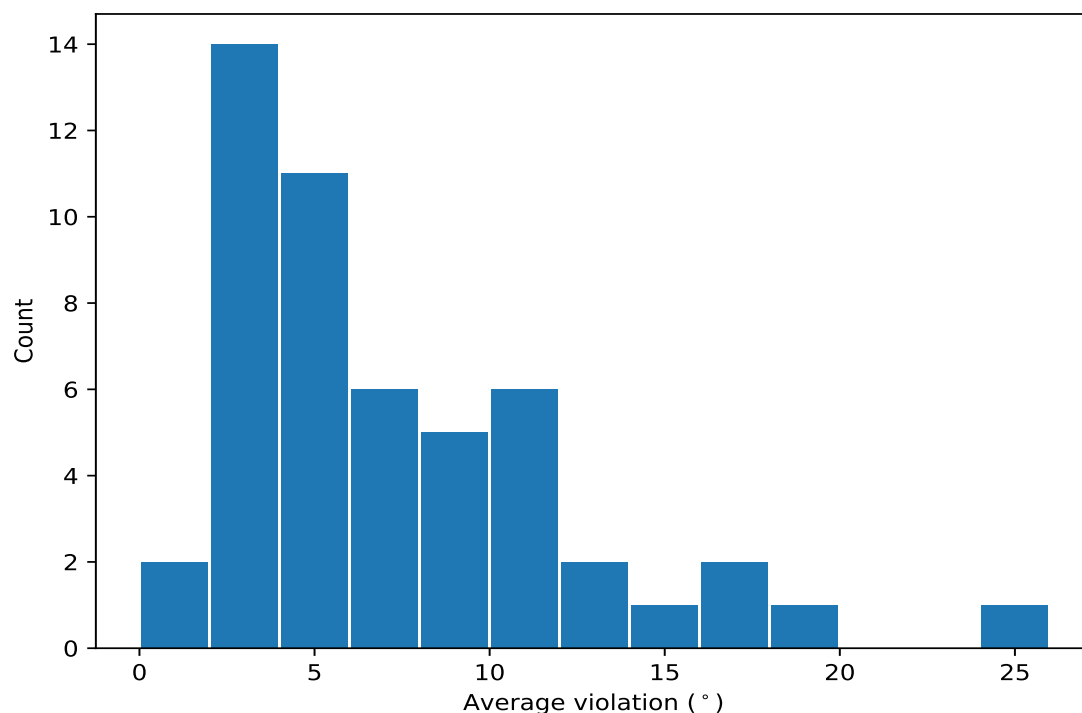


10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

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 [i](#)

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	20	12.7	2.98	11.88
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	19	17.88	5.55	17.72
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	18	12.87	5.54	12.84
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	18	6.13	2.06	5.54
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	17	9.65	4.21	11.03
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	17	6.51	2.06	7.05
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	16	4.35	3.72	4.09
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	15	25.3	12.43	23.19
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	14	9.02	5.19	8.72
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	14	6.05	2.45	5.97
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	14	5.02	2.54	4.68
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	13	10.47	4.5	10.67
(1,25)	1:100:A:ARG:C	1:101:A:ASP:N	1:101:A:ASP:CA	1:101:A:ASP:C	12	16.33	9.67	18.13
(1,64)	1:130:A:LEU:C	1:131:A:LYS:N	1:131:A:LYS:CA	1:131:A:LYS:C	12	8.81	12.4	4.16
(1,28)	1:102:A:TRP:C	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	12	4.66	4.82	3.16
(1,151)	1:196:A:GLU:C	1:197:A:THR:N	1:197:A:THR:CA	1:197:A:THR:C	11	10.87	4.78	12.6
(1,21)	1:98:A:MET:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	11	4.42	2.02	4.66
(1,5)	1:89:A:TYR:C	1:90:A:LEU:N	1:90:A:LEU:CA	1:90:A:LEU:C	10	10.57	3.72	11.24
(1,162)	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	1:203:A:TRP:N	10	10.39	4.71	9.74
(1,8)	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	1:92:A:ASP:N	10	10.08	3.18	9.78

Continued on next page...

Continued from previous page...

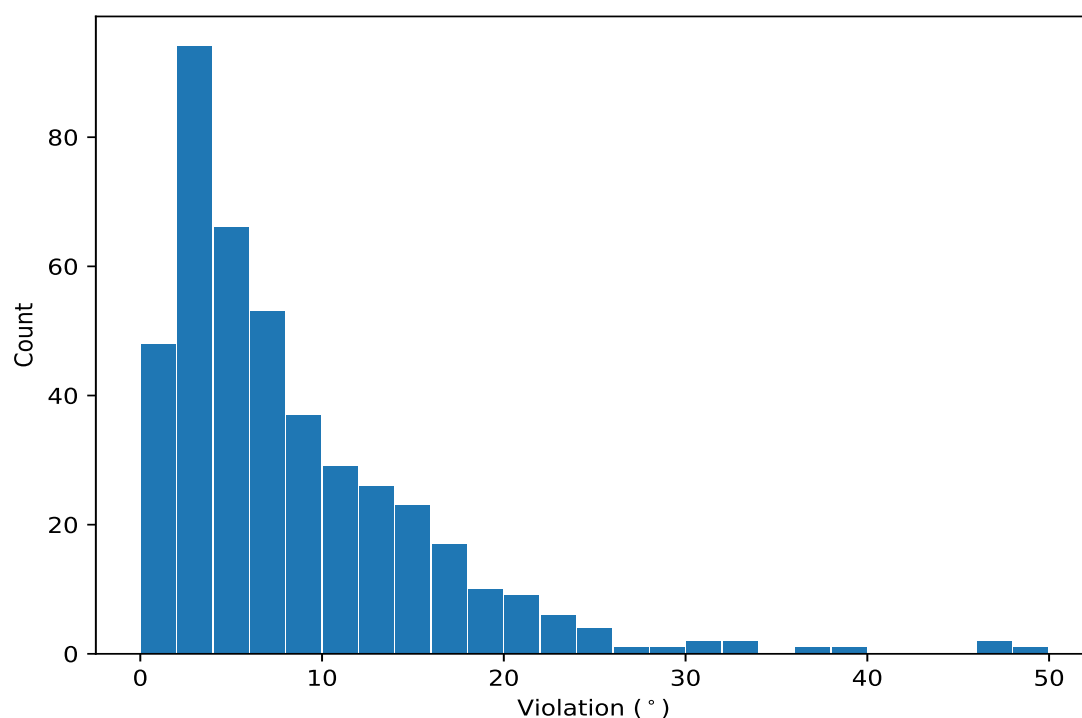
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,66)	1:131:A:LYS:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	10	2.91	1.03	2.87
(1,34)	1:108:A:LYS:C	1:109:A:GLN:N	1:109:A:GLN:CA	1:109:A:GLN:C	9	6.4	3.29	6.77
(1,7)	1:90:A:LEU:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	9	3.48	2.73	2.01
(1,156)	1:199:A:GLN:N	1:199:A:GLN:CA	1:199:A:GLN:C	1:200:A:ARG:N	7	3.66	2.43	2.35
(1,48)	1:118:A:ARG:C	1:119:A:MET:N	1:119:A:MET:CA	1:119:A:MET:C	7	2.48	1.31	2.24
(1,26)	1:101:A:ASP:C	1:102:A:TRP:N	1:102:A:TRP:CA	1:102:A:TRP:C	6	2.58	1.23	2.17
(1,40)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:GLY:N	5	3.92	1.93	3.65
(1,120)	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	1:179:A:GLY:N	5	3.18	1.66	2.83
(1,158)	1:200:A:ARG:N	1:200:A:ARG:CA	1:200:A:ARG:C	1:201:A:PHE:N	5	3.13	2.18	2.1
(1,161)	1:201:A:PHE:C	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	4	9.24	1.95	8.74
(1,17)	1:96:A:GLU:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	4	5.16	2.55	5.24
(1,51)	1:120:A:ASP:N	1:120:A:ASP:CA	1:120:A:ASP:C	1:121:A:GLN:N	4	5.04	1.54	4.81
(1,141)	1:189:A:ASP:N	1:189:A:ASP:CA	1:189:A:ASP:C	1:190:A:ASN:N	4	3.41	1.11	3.21
(1,19)	1:97:A:GLU:C	1:98:A:MET:N	1:98:A:MET:CA	1:98:A:MET:C	4	3.22	1.6	2.8
(1,99)	1:160:A:ILE:C	1:161:A:SER:N	1:161:A:SER:CA	1:161:A:SER:C	3	19.51	14.5	17.83
(1,30)	1:103:A:PHE:C	1:104:A:MET:N	1:104:A:MET:CA	1:104:A:MET:C	3	14.01	3.54	16.34
(1,105)	1:170:A:THR:C	1:171:A:ASP:N	1:171:A:ASP:CA	1:171:A:ASP:C	3	4.54	0.74	4.6
(1,41)	1:114:A:SER:C	1:115:A:LEU:N	1:115:A:LEU:CA	1:115:A:LEU:C	3	4.38	2.23	5.3
(1,2)	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	1:89:A:TYR:N	3	4.04	2.7	2.14
(1,100)	1:161:A:SER:N	1:161:A:SER:CA	1:161:A:SER:C	1:162:A:PRO:N	2	11.93	4.6	11.93
(1,56)	1:122:A:ALA:C	1:123:A:ILE:N	1:123:A:ILE:CA	1:123:A:ILE:C	2	9.84	8.64	9.84
(1,53)	1:121:A:GLN:N	1:121:A:GLN:CA	1:121:A:GLN:C	1:122:A:ALA:N	2	7.34	3.49	7.34
(1,106)	1:171:A:ASP:N	1:171:A:ASP:CA	1:171:A:ASP:C	1:172:A:GLU:N	2	6.78	1.59	6.78
(1,78)	1:149:A:ALA:N	1:149:A:ALA:CA	1:149:A:ALA:C	1:150:A:PHE:N	2	4.9	0.73	4.9
(1,68)	1:132:A:ALA:C	1:133:A:ASN:N	1:133:A:ASN:CA	1:133:A:ASN:C	2	4.31	1.11	4.31
(1,29)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:MET:N	2	3.5	0.81	3.5
(1,44)	1:116:A:CYS:N	1:116:A:CYS:CA	1:116:A:CYS:C	1:117:A:ILE:N	2	3.06	0.13	3.06
(1,135)	1:185:A:LEU:C	1:186:A:GLU:N	1:186:A:GLU:CA	1:186:A:GLU:C	2	2.97	0.67	2.97
(1,88)	1:154:A:GLY:C	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	2	2.03	0.2	2.03
(1,157)	1:199:A:GLN:C	1:200:A:ARG:N	1:200:A:ARG:CA	1:200:A:ARG:C	2	1.96	0.91	1.96
(1,95)	1:158:A:GLY:N	1:158:A:GLY:CA	1:158:A:GLY:C	1:159:A:GLU:N	2	1.86	0.08	1.86

¹ Number of violated models, ²Standard 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 (°)
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	17	48.83
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	19	46.61
(1,64)	1:130:A:LEU:C	1:131:A:LYS:N	1:131:A:LYS:CA	1:131:A:LYS:C	6	46.59
(1,99)	1:160:A:ILE:C	1:161:A:SER:N	1:161:A:SER:CA	1:161:A:SER:C	14	38.05
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	13	37.15
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	10	33.85
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	6	32.91
(1,25)	1:100:A:ARG:C	1:101:A:ASP:N	1:101:A:ASP:CA	1:101:A:ASP:C	15	31.91
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	20	31.03
(1,25)	1:100:A:ARG:C	1:101:A:ASP:N	1:101:A:ASP:CA	1:101:A:ASP:C	18	28.4
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	6	27.72
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	16	25.99
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	13	25.96
(1,4)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:LEU:N	4	24.8
(1,25)	1:100:A:ARG:C	1:101:A:ASP:N	1:101:A:ASP:CA	1:101:A:ASP:C	12	24.31
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	11	23.74
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	2	23.19
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	16	23.17
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	19	23.17
(1,25)	1:100:A:ARG:C	1:101:A:ASP:N	1:101:A:ASP:CA	1:101:A:ASP:C	10	22.9
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	7	22.03

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	15	21.79
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	5	21.63
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	14	21.27
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	9	21.1
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	1	20.63
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	10	20.58
(1,64)	1:130:A:LEU:C	1:131:A:LYS:N	1:131:A:LYS:CA	1:131:A:LYS:C	14	20.2
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	11	20.16
(1,25)	1:100:A:ARG:C	1:101:A:ASP:N	1:101:A:ASP:CA	1:101:A:ASP:C	16	20.16
(1,28)	1:102:A:TRP:C	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	20	19.84
(1,162)	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	1:203:A:TRP:N	3	19.24
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	9	19.2
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	20	19.19
(1,63)	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	1:131:A:LYS:N	6	19.12
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	2	18.79
(1,56)	1:122:A:ALA:C	1:123:A:ILE:N	1:123:A:ILE:CA	1:123:A:ILE:C	19	18.48
(1,25)	1:100:A:ARG:C	1:101:A:ASP:N	1:101:A:ASP:CA	1:101:A:ASP:C	17	18.21
(1,151)	1:196:A:GLU:C	1:197:A:THR:N	1:197:A:THR:CA	1:197:A:THR:C	10	18.13
(1,25)	1:100:A:ARG:C	1:101:A:ASP:N	1:101:A:ASP:CA	1:101:A:ASP:C	11	18.05
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	2	17.95
(1,99)	1:160:A:ILE:C	1:161:A:SER:N	1:161:A:SER:CA	1:161:A:SER:C	17	17.83
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	11	17.72
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	8	17.5
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	3	17.34
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	16	17.04
(1,90)	1:155:A:ALA:C	1:156:A:ILE:N	1:156:A:ILE:CA	1:156:A:ILE:C	16	16.74
(1,30)	1:103:A:PHE:C	1:104:A:MET:N	1:104:A:MET:CA	1:104:A:MET:C	15	16.67
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	14	16.66
(1,100)	1:161:A:SER:N	1:161:A:SER:CA	1:161:A:SER:C	1:162:A:PRO:N	17	16.54
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	20	16.41
(1,151)	1:196:A:GLU:C	1:197:A:THR:N	1:197:A:THR:CA	1:197:A:THR:C	5	16.34
(1,30)	1:103:A:PHE:C	1:104:A:MET:N	1:104:A:MET:CA	1:104:A:MET:C	18	16.34
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	4	16.33
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	7	16.04
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	12	16.04
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	4	16.02
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	8	15.79
(1,25)	1:100:A:ARG:C	1:101:A:ASP:N	1:101:A:ASP:CA	1:101:A:ASP:C	20	15.53
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	5	15.45
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	18	15.39
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	9	15.35
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	6	15.28
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	4	15.27
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	17	15.21
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	7	15.2
(1,162)	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	1:203:A:TRP:N	16	14.95
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	15	14.95
(1,5)	1:89:A:TYR:C	1:90:A:LEU:N	1:90:A:LEU:CA	1:90:A:LEU:C	14	14.91
(1,5)	1:89:A:TYR:C	1:90:A:LEU:N	1:90:A:LEU:CA	1:90:A:LEU:C	15	14.82
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	18	14.81
(1,8)	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	1:92:A:ASP:N	12	14.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	15	14.56
(1,151)	1:196:A:GLU:C	1:197:A:THR:N	1:197:A:THR:CA	1:197:A:THR:C	2	14.53
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	2	14.47
(1,33)	1:108:A:LYS:N	1:108:A:LYS:CA	1:108:A:LYS:C	1:109:A:GLN:N	13	14.26
(1,8)	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	1:92:A:ASP:N	20	14.25
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	15	14.19
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	9	14.11
(1,162)	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	1:203:A:TRP:N	15	14.01
(1,8)	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	1:92:A:ASP:N	2	13.96
(1,5)	1:89:A:TYR:C	1:90:A:LEU:N	1:90:A:LEU:CA	1:90:A:LEU:C	19	13.87
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	12	13.81
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	6	13.8
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	14	13.74
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	20	13.68
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	12	13.58
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	11	13.54
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	4	13.53
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	7	13.52
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	4	12.98
(1,151)	1:196:A:GLU:C	1:197:A:THR:N	1:197:A:THR:CA	1:197:A:THR:C	3	12.85
(1,5)	1:89:A:TYR:C	1:90:A:LEU:N	1:90:A:LEU:CA	1:90:A:LEU:C	18	12.72
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	7	12.71
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	10	12.7
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	17	12.66
(1,151)	1:196:A:GLU:C	1:197:A:THR:N	1:197:A:THR:CA	1:197:A:THR:C	14	12.65
(1,151)	1:196:A:GLU:C	1:197:A:THR:N	1:197:A:THR:CA	1:197:A:THR:C	6	12.6
(1,161)	1:201:A:PHE:C	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	8	12.4
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	16	12.19
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	1	12.17
(1,5)	1:89:A:TYR:C	1:90:A:LEU:N	1:90:A:LEU:CA	1:90:A:LEU:C	1	12.14
(1,162)	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	1:203:A:TRP:N	8	12.13
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	13	12.08
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	11	12.0
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	13	12.0
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	16	11.77
(1,34)	1:108:A:LYS:C	1:109:A:GLN:N	1:109:A:GLN:CA	1:109:A:GLN:C	14	11.77
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	3	11.74
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	20	11.68
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	7	11.64
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	19	11.54
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	12	11.34
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	10	11.23
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	3	11.14
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	17	11.03
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	19	10.99
(1,8)	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	1:92:A:ASP:N	16	10.97
(1,53)	1:121:A:GLN:N	1:121:A:GLN:CA	1:121:A:GLN:C	1:122:A:ALA:N	13	10.84
(1,162)	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	1:203:A:TRP:N	12	10.81
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	9	10.75
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	6	10.74
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	8	10.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	18	10.62
(1,34)	1:108:A:LYS:C	1:109:A:GLN:N	1:109:A:GLN:CA	1:109:A:GLN:C	5	10.6
(1,151)	1:196:A:GLU:C	1:197:A:THR:N	1:197:A:THR:CA	1:197:A:THR:C	12	10.54
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	4	10.48
(1,72)	1:135:A:SER:N	1:135:A:SER:CA	1:135:A:SER:C	1:136:A:VAL:N	12	10.42
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	14	10.4
(1,5)	1:89:A:TYR:C	1:90:A:LEU:N	1:90:A:LEU:CA	1:90:A:LEU:C	11	10.34
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	5	10.3
(1,7)	1:90:A:LEU:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	2	10.12
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	16	10.09
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	10	10.07
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	10	10.04
(1,8)	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	1:92:A:ASP:N	17	9.98
(1,145)	1:193:A:ARG:N	1:193:A:ARG:CA	1:193:A:ARG:C	1:194:A:VAL:N	5	9.97
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	2	9.93
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	8	9.77
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	17	9.7
(1,5)	1:89:A:TYR:C	1:90:A:LEU:N	1:90:A:LEU:CA	1:90:A:LEU:C	12	9.69
(1,8)	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	1:92:A:ASP:N	9	9.58
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	19	9.49
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	9	9.38
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	17	9.27
(1,151)	1:196:A:GLU:C	1:197:A:THR:N	1:197:A:THR:CA	1:197:A:THR:C	20	9.14
(1,30)	1:103:A:PHE:C	1:104:A:MET:N	1:104:A:MET:CA	1:104:A:MET:C	7	9.01
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	11	9.0
(1,159)	1:200:A:ARG:C	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	4	8.96
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	7	8.93
(1,161)	1:201:A:PHE:C	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	3	8.91
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	2	8.84
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	18	8.76
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	3	8.76
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	9	8.74
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	6	8.69
(1,162)	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	1:203:A:TRP:N	5	8.67
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	3	8.67
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	1	8.63
(1,162)	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	1:203:A:TRP:N	11	8.62
(1,17)	1:96:A:GLU:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	13	8.61
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	19	8.57
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	6	8.57
(1,161)	1:201:A:PHE:C	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	1	8.56
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	16	8.47
(1,106)	1:171:A:ASP:N	1:171:A:ASP:CA	1:171:A:ASP:C	1:172:A:GLU:N	7	8.37
(1,64)	1:130:A:LEU:C	1:131:A:LYS:N	1:131:A:LYS:CA	1:131:A:LYS:C	13	8.35
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	4	8.29
(1,5)	1:89:A:TYR:C	1:90:A:LEU:N	1:90:A:LEU:CA	1:90:A:LEU:C	9	8.13
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	2	8.12
(1,162)	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	1:203:A:TRP:N	7	8.09
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	11	8.03
(1,156)	1:199:A:GLN:N	1:199:A:GLN:CA	1:199:A:GLN:C	1:200:A:ARG:N	18	7.98
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	17	7.94

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	19	7.93
(1,21)	1:98:A:MET:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	15	7.91
(1,2)	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	1:89:A:TYR:N	12	7.86
(1,8)	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	1:92:A:ASP:N	3	7.84
(1,34)	1:108:A:LYS:C	1:109:A:GLN:N	1:109:A:GLN:CA	1:109:A:GLN:C	13	7.72
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	17	7.65
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	9	7.64
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	18	7.61
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	8	7.61
(1,8)	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	1:92:A:ASP:N	15	7.61
(1,39)	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	1:112:A:ALA:N	11	7.57
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	9	7.45
(1,34)	1:108:A:LYS:C	1:109:A:GLN:N	1:109:A:GLN:CA	1:109:A:GLN:C	15	7.44
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	17	7.38
(1,51)	1:120:A:ASP:N	1:120:A:ASP:CA	1:120:A:ASP:C	1:121:A:GLN:N	13	7.38
(1,100)	1:161:A:SER:N	1:161:A:SER:CA	1:161:A:SER:C	1:162:A:PRO:N	14	7.33
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	16	7.3
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	2	7.23
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	20	7.15
(1,75)	1:147:A:LEU:C	1:148:A:ARG:N	1:148:A:ARG:CA	1:148:A:ARG:C	5	7.15
(1,161)	1:201:A:PHE:C	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	12	7.1
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	8	7.08
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	16	7.08
(1,21)	1:98:A:MET:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	18	7.08
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	11	7.05
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	1	7.05
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	7	6.93
(1,156)	1:199:A:GLN:N	1:199:A:GLN:CA	1:199:A:GLN:C	1:200:A:ARG:N	19	6.86
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	14	6.84
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	16	6.83
(1,158)	1:200:A:ARG:N	1:200:A:ARG:CA	1:200:A:ARG:C	1:201:A:PHE:N	1	6.79
(1,34)	1:108:A:LYS:C	1:109:A:GLN:N	1:109:A:GLN:CA	1:109:A:GLN:C	19	6.77
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	7	6.76
(1,151)	1:196:A:GLU:C	1:197:A:THR:N	1:197:A:THR:CA	1:197:A:THR:C	4	6.67
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	2	6.64
(1,41)	1:114:A:SER:C	1:115:A:LEU:N	1:115:A:LEU:CA	1:115:A:LEU:C	11	6.53
(1,8)	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	1:92:A:ASP:N	5	6.45
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	12	6.44
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	10	6.36
(1,120)	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	1:179:A:GLY:N	18	6.33
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	15	6.32
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	20	6.29
(1,40)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:GLY:N	9	6.28
(1,64)	1:130:A:LEU:C	1:131:A:LYS:N	1:131:A:LYS:CA	1:131:A:LYS:C	4	6.23
(1,28)	1:102:A:TRP:C	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	6	6.23
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	15	6.22
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	12	6.21
(1,25)	1:100:A:ARG:C	1:101:A:ASP:N	1:101:A:ASP:CA	1:101:A:ASP:C	7	6.21
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	12	6.17
(1,142)	1:190:A:ASN:C	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	15	6.14
(1,17)	1:96:A:GLU:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	20	6.04

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,34)	1:108:A:LYS:C	1:109:A:GLN:N	1:109:A:GLN:CA	1:109:A:GLN:C	6	5.99
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	18	5.99
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	5	5.97
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	13	5.97
(1,5)	1:89:A:TYR:C	1:90:A:LEU:N	1:90:A:LEU:CA	1:90:A:LEU:C	4	5.96
(1,40)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:GLY:N	18	5.94
(1,21)	1:98:A:MET:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	3	5.9
(1,21)	1:98:A:MET:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	14	5.86
(1,19)	1:97:A:GLU:C	1:98:A:MET:N	1:98:A:MET:CA	1:98:A:MET:C	19	5.78
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	3	5.64
(1,78)	1:149:A:ALA:N	1:149:A:ALA:CA	1:149:A:ALA:C	1:150:A:PHE:N	19	5.63
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	1	5.59
(1,66)	1:131:A:LYS:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	8	5.55
(1,28)	1:102:A:TRP:C	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	7	5.55
(1,20)	1:98:A:MET:N	1:98:A:MET:CA	1:98:A:MET:C	1:99:A:SER:N	4	5.5
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	4	5.44
(1,68)	1:132:A:ALA:C	1:133:A:ASN:N	1:133:A:ASN:CA	1:133:A:ASN:C	11	5.42
(1,105)	1:170:A:THR:C	1:171:A:ASP:N	1:171:A:ASP:CA	1:171:A:ASP:C	3	5.41
(1,8)	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	1:92:A:ASP:N	13	5.41
(1,7)	1:90:A:LEU:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	17	5.39
(1,162)	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	1:203:A:TRP:N	9	5.34
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	14	5.33
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	3	5.32
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	15	5.3
(1,64)	1:130:A:LEU:C	1:131:A:LYS:N	1:131:A:LYS:CA	1:131:A:LYS:C	11	5.3
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	18	5.3
(1,41)	1:114:A:SER:C	1:115:A:LEU:N	1:115:A:LEU:CA	1:115:A:LEU:C	12	5.3
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	15	5.23
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	8	5.22
(1,51)	1:120:A:ASP:N	1:120:A:ASP:CA	1:120:A:ASP:C	1:121:A:GLN:N	15	5.21
(1,106)	1:171:A:ASP:N	1:171:A:ASP:CA	1:171:A:ASP:C	1:172:A:GLU:N	3	5.18
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	5	5.12
(1,141)	1:189:A:ASP:N	1:189:A:ASP:CA	1:189:A:ASP:C	1:190:A:ASN:N	17	5.07
(1,48)	1:118:A:ARG:C	1:119:A:MET:N	1:119:A:MET:CA	1:119:A:MET:C	17	5.06
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	12	5.06
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	14	5.05
(1,21)	1:98:A:MET:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	11	5.04
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	11	5.01
(1,25)	1:100:A:ARG:C	1:101:A:ASP:N	1:101:A:ASP:CA	1:101:A:ASP:C	1	4.98
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	14	4.94
(1,26)	1:101:A:ASP:C	1:102:A:TRP:N	1:102:A:TRP:CA	1:102:A:TRP:C	6	4.94
(1,28)	1:102:A:TRP:C	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	13	4.92
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	11	4.89
(1,104)	1:170:A:THR:N	1:170:A:THR:CA	1:170:A:THR:C	1:171:A:ASP:N	12	4.87
(1,52)	1:120:A:ASP:C	1:121:A:GLN:N	1:121:A:GLN:CA	1:121:A:GLN:C	19	4.87
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	1	4.79
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	11	4.75
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	13	4.67
(1,21)	1:98:A:MET:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	19	4.66
(1,7)	1:90:A:LEU:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	11	4.65
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	6	4.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	8	4.6
(1,105)	1:170:A:THR:C	1:171:A:ASP:N	1:171:A:ASP:CA	1:171:A:ASP:C	15	4.6
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	17	4.56
(1,139)	1:187:A:ARG:C	1:188:A:ASN:N	1:188:A:ASN:CA	1:188:A:ASN:C	20	4.55
(1,151)	1:196:A:GLU:C	1:197:A:THR:N	1:197:A:THR:CA	1:197:A:THR:C	13	4.43
(1,17)	1:96:A:GLU:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	9	4.43
(1,51)	1:120:A:ASP:N	1:120:A:ASP:CA	1:120:A:ASP:C	1:121:A:GLN:N	11	4.42
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	13	4.41
(1,158)	1:200:A:ARG:N	1:200:A:ARG:CA	1:200:A:ARG:C	1:201:A:PHE:N	11	4.38
(1,29)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:MET:N	4	4.31
(1,64)	1:130:A:LEU:C	1:131:A:LYS:N	1:131:A:LYS:CA	1:131:A:LYS:C	7	4.25
(1,89)	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	1:156:A:ILE:N	16	4.21
(1,78)	1:149:A:ALA:N	1:149:A:ALA:CA	1:149:A:ALA:C	1:150:A:PHE:N	4	4.17
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	10	4.11
(1,64)	1:130:A:LEU:C	1:131:A:LYS:N	1:131:A:LYS:CA	1:131:A:LYS:C	2	4.08
(1,143)	1:191:A:THR:N	1:191:A:THR:CA	1:191:A:THR:C	1:192:A:VAL:N	8	3.98
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	5	3.95
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	6	3.91
(1,98)	1:160:A:ILE:N	1:160:A:ILE:CA	1:160:A:ILE:C	1:161:A:SER:N	14	3.9
(1,53)	1:121:A:GLN:N	1:121:A:GLN:CA	1:121:A:GLN:C	1:122:A:ALA:N	11	3.85
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	12	3.82
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	20	3.79
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	19	3.77
(1,141)	1:189:A:ASP:N	1:189:A:ASP:CA	1:189:A:ASP:C	1:190:A:ASN:N	8	3.74
(1,38)	1:110:A:LYS:C	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	18	3.74
(1,40)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:GLY:N	7	3.65
(1,135)	1:185:A:LEU:C	1:186:A:GLU:N	1:186:A:GLU:CA	1:186:A:GLU:C	9	3.64
(1,105)	1:170:A:THR:C	1:171:A:ASP:N	1:171:A:ASP:CA	1:171:A:ASP:C	7	3.61
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	14	3.57
(1,28)	1:102:A:TRP:C	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	14	3.53
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	5	3.53
(1,48)	1:118:A:ARG:C	1:119:A:MET:N	1:119:A:MET:CA	1:119:A:MET:C	5	3.49
(1,160)	1:201:A:PHE:N	1:201:A:PHE:CA	1:201:A:PHE:C	1:202:A:ALA:N	8	3.45
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	13	3.45
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	10	3.36
(1,19)	1:97:A:GLU:C	1:98:A:MET:N	1:98:A:MET:CA	1:98:A:MET:C	2	3.3
(1,66)	1:131:A:LYS:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	11	3.29
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	6	3.27
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	8	3.21
(1,68)	1:132:A:ALA:C	1:133:A:ASN:N	1:133:A:ASN:CA	1:133:A:ASN:C	8	3.2
(1,26)	1:101:A:ASP:C	1:102:A:TRP:N	1:102:A:TRP:CA	1:102:A:TRP:C	12	3.2
(1,44)	1:116:A:CYS:N	1:116:A:CYS:CA	1:116:A:CYS:C	1:117:A:ILE:N	2	3.19
(1,28)	1:102:A:TRP:C	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	10	3.19
(1,66)	1:131:A:LYS:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	15	3.16
(1,51)	1:120:A:ASP:N	1:120:A:ASP:CA	1:120:A:ASP:C	1:121:A:GLN:N	16	3.15
(1,28)	1:102:A:TRP:C	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	18	3.14
(1,23)	1:99:A:SER:C	1:100:A:ARG:N	1:100:A:ARG:CA	1:100:A:ARG:C	17	3.14
(1,120)	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	1:179:A:GLY:N	11	3.13
(1,5)	1:89:A:TYR:C	1:90:A:LEU:N	1:90:A:LEU:CA	1:90:A:LEU:C	3	3.13
(1,37)	1:110:A:LYS:N	1:110:A:LYS:CA	1:110:A:LYS:C	1:111:A:VAL:N	17	3.1
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	17	3.07

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,7)	1:90:A:LEU:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	14	3.05
(1,21)	1:98:A:MET:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	5	3.03
(1,64)	1:130:A:LEU:C	1:131:A:LYS:N	1:131:A:LYS:CA	1:131:A:LYS:C	15	3.0
(1,66)	1:131:A:LYS:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	7	2.98
(1,25)	1:100:A:ARG:C	1:101:A:ASP:N	1:101:A:ASP:CA	1:101:A:ASP:C	4	2.95
(1,119)	1:177:A:ALA:C	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	4	2.93
(1,44)	1:116:A:CYS:N	1:116:A:CYS:CA	1:116:A:CYS:C	1:117:A:ILE:N	4	2.93
(1,66)	1:131:A:LYS:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	5	2.9
(1,157)	1:199:A:GLN:C	1:200:A:ARG:N	1:200:A:ARG:CA	1:200:A:ARG:C	12	2.88
(1,34)	1:108:A:LYS:C	1:109:A:GLN:N	1:109:A:GLN:CA	1:109:A:GLN:C	20	2.86
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	4	2.85
(1,66)	1:131:A:LYS:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	13	2.84
(1,120)	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	1:179:A:GLY:N	13	2.83
(1,28)	1:102:A:TRP:C	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	2	2.83
(1,156)	1:199:A:GLN:N	1:199:A:GLN:CA	1:199:A:GLN:C	1:200:A:ARG:N	2	2.73
(1,29)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:MET:N	2	2.69
(1,141)	1:189:A:ASP:N	1:189:A:ASP:CA	1:189:A:ASP:C	1:190:A:ASN:N	1	2.68
(1,99)	1:160:A:ILE:C	1:161:A:SER:N	1:161:A:SER:CA	1:161:A:SER:C	4	2.65
(1,48)	1:118:A:ARG:C	1:119:A:MET:N	1:119:A:MET:CA	1:119:A:MET:C	3	2.65
(1,21)	1:98:A:MET:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	2	2.61
(1,21)	1:98:A:MET:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	12	2.59
(1,64)	1:130:A:LEU:C	1:131:A:LYS:N	1:131:A:LYS:CA	1:131:A:LYS:C	10	2.58
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	10	2.56
(1,66)	1:131:A:LYS:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	9	2.54
(1,66)	1:131:A:LYS:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	10	2.52
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	10	2.47
(1,25)	1:100:A:ARG:C	1:101:A:ASP:N	1:101:A:ASP:CA	1:101:A:ASP:C	3	2.37
(1,34)	1:108:A:LYS:C	1:109:A:GLN:N	1:109:A:GLN:CA	1:109:A:GLN:C	1	2.36
(1,156)	1:199:A:GLN:N	1:199:A:GLN:CA	1:199:A:GLN:C	1:200:A:ARG:N	14	2.35
(1,156)	1:199:A:GLN:N	1:199:A:GLN:CA	1:199:A:GLN:C	1:200:A:ARG:N	20	2.35
(1,32)	1:106:A:MET:N	1:106:A:MET:CA	1:106:A:MET:C	1:107:A:PRO:N	3	2.35
(1,21)	1:98:A:MET:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	16	2.34
(1,40)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:GLY:N	15	2.33
(1,64)	1:130:A:LEU:C	1:131:A:LYS:N	1:131:A:LYS:CA	1:131:A:LYS:C	9	2.32
(1,135)	1:185:A:LEU:C	1:186:A:GLU:N	1:186:A:GLU:CA	1:186:A:GLU:C	8	2.3
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	3	2.3
(1,69)	1:133:A:ASN:N	1:133:A:ASN:CA	1:133:A:ASN:C	1:134:A:PHE:N	11	2.3
(1,19)	1:97:A:GLU:C	1:98:A:MET:N	1:98:A:MET:CA	1:98:A:MET:C	4	2.3
(1,48)	1:118:A:ARG:C	1:119:A:MET:N	1:119:A:MET:CA	1:119:A:MET:C	11	2.24
(1,88)	1:154:A:GLY:C	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	16	2.23
(1,28)	1:102:A:TRP:C	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	16	2.23
(1,26)	1:101:A:ASP:C	1:102:A:TRP:N	1:102:A:TRP:CA	1:102:A:TRP:C	10	2.22
(1,144)	1:192:A:VAL:N	1:192:A:VAL:CA	1:192:A:VAL:C	1:193:A:ARG:N	5	2.21
(1,141)	1:189:A:ASP:N	1:189:A:ASP:CA	1:189:A:ASP:C	1:190:A:ASN:N	14	2.16
(1,2)	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	1:89:A:TYR:N	19	2.14
(1,26)	1:101:A:ASP:C	1:102:A:TRP:N	1:102:A:TRP:CA	1:102:A:TRP:C	18	2.13
(1,2)	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	1:89:A:TYR:N	6	2.11
(1,158)	1:200:A:ARG:N	1:200:A:ARG:CA	1:200:A:ARG:C	1:201:A:PHE:N	13	2.1
(1,6)	1:90:A:LEU:N	1:90:A:LEU:CA	1:90:A:LEU:C	1:91:A:THR:N	7	2.07
(1,34)	1:108:A:LYS:C	1:109:A:GLN:N	1:109:A:GLN:CA	1:109:A:GLN:C	10	2.05
(1,162)	1:202:A:ALA:N	1:202:A:ALA:CA	1:202:A:ALA:C	1:203:A:TRP:N	20	2.03

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,55)	1:122:A:ALA:N	1:122:A:ALA:CA	1:122:A:ALA:C	1:123:A:ILE:N	4	2.03
(1,133)	1:184:A:GLY:C	1:185:A:LEU:N	1:185:A:LEU:CA	1:185:A:LEU:C	19	2.02
(1,50)	1:119:A:MET:C	1:120:A:ASP:N	1:120:A:ASP:CA	1:120:A:ASP:C	4	2.02
(1,7)	1:90:A:LEU:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	8	2.01
(1,156)	1:199:A:GLN:N	1:199:A:GLN:CA	1:199:A:GLN:C	1:200:A:ARG:N	15	2.0
(1,77)	1:148:A:ARG:C	1:149:A:ALA:N	1:149:A:ALA:CA	1:149:A:ALA:C	15	2.0
(1,7)	1:90:A:LEU:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	3	2.0
(1,85)	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	1:154:A:GLY:N	4	1.97
(1,95)	1:158:A:GLY:N	1:158:A:GLY:CA	1:158:A:GLY:C	1:159:A:GLU:N	19	1.95
(1,26)	1:101:A:ASP:C	1:102:A:TRP:N	1:102:A:TRP:CA	1:102:A:TRP:C	16	1.9
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	18	1.86
(1,120)	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	1:179:A:GLY:N	7	1.83
(1,88)	1:154:A:GLY:C	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	4	1.83
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	6	1.82
(1,120)	1:178:A:VAL:N	1:178:A:VAL:CA	1:178:A:VAL:C	1:179:A:GLY:N	16	1.79
(1,95)	1:158:A:GLY:N	1:158:A:GLY:CA	1:158:A:GLY:C	1:159:A:GLU:N	18	1.78
(1,28)	1:102:A:TRP:C	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	15	1.78
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	15	1.76
(1,66)	1:131:A:LYS:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	1	1.76
(1,151)	1:196:A:GLU:C	1:197:A:THR:N	1:197:A:THR:CA	1:197:A:THR:C	1	1.74
(1,127)	1:181:A:LEU:C	1:182:A:ILE:N	1:182:A:ILE:CA	1:182:A:ILE:C	4	1.73
(1,42)	1:115:A:LEU:N	1:115:A:LEU:CA	1:115:A:LEU:C	1:116:A:CYS:N	16	1.73
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	20	1.69
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	15	1.63
(1,62)	1:129:A:ILE:C	1:130:A:LEU:N	1:130:A:LEU:CA	1:130:A:LEU:C	13	1.63
(1,48)	1:118:A:ARG:C	1:119:A:MET:N	1:119:A:MET:CA	1:119:A:MET:C	16	1.62
(1,66)	1:131:A:LYS:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	19	1.6
(1,21)	1:98:A:MET:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	8	1.58
(1,17)	1:96:A:GLU:C	1:97:A:GLU:N	1:97:A:GLU:CA	1:97:A:GLU:C	17	1.58
(1,64)	1:130:A:LEU:C	1:131:A:LYS:N	1:131:A:LYS:CA	1:131:A:LYS:C	1	1.55
(1,7)	1:90:A:LEU:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	10	1.53
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	3	1.52
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	12	1.52
(1,19)	1:97:A:GLU:C	1:98:A:MET:N	1:98:A:MET:CA	1:98:A:MET:C	5	1.52
(1,28)	1:102:A:TRP:C	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	5	1.51
(1,96)	1:158:A:GLY:C	1:159:A:GLU:N	1:159:A:GLU:CA	1:159:A:GLU:C	1	1.49
(1,40)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:GLY:N	2	1.39
(1,7)	1:90:A:LEU:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	7	1.37
(1,158)	1:200:A:ARG:N	1:200:A:ARG:CA	1:200:A:ARG:C	1:201:A:PHE:N	18	1.33
(1,156)	1:199:A:GLN:N	1:199:A:GLN:CA	1:199:A:GLN:C	1:200:A:ARG:N	6	1.32
(1,41)	1:114:A:SER:C	1:115:A:LEU:N	1:115:A:LEU:CA	1:115:A:LEU:C	20	1.31
(1,3)	1:88:A:ARG:C	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	9	1.31
(1,84)	1:152:A:GLU:C	1:153:A:GLU:N	1:153:A:GLU:CA	1:153:A:GLU:C	5	1.29
(1,64)	1:130:A:LEU:C	1:131:A:LYS:N	1:131:A:LYS:CA	1:131:A:LYS:C	17	1.27
(1,48)	1:118:A:ARG:C	1:119:A:MET:N	1:119:A:MET:CA	1:119:A:MET:C	6	1.26
(1,56)	1:122:A:ALA:C	1:123:A:ILE:N	1:123:A:ILE:CA	1:123:A:ILE:C	15	1.2
(1,45)	1:116:A:CYS:C	1:117:A:ILE:N	1:117:A:ILE:CA	1:117:A:ILE:C	8	1.2
(1,28)	1:102:A:TRP:C	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	9	1.2
(1,7)	1:90:A:LEU:C	1:91:A:THR:N	1:91:A:THR:CA	1:91:A:THR:C	5	1.19
(1,43)	1:115:A:LEU:C	1:116:A:CYS:N	1:116:A:CYS:CA	1:116:A:CYS:C	13	1.08
(1,48)	1:118:A:ARG:C	1:119:A:MET:N	1:119:A:MET:CA	1:119:A:MET:C	20	1.07

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,26)	1:101:A:ASP:C	1:102:A:TRP:N	1:102:A:TRP:CA	1:102:A:TRP:C	9	1.07
(1,157)	1:199:A:GLN:C	1:200:A:ARG:N	1:200:A:ARG:CA	1:200:A:ARG:C	18	1.05
(1,158)	1:200:A:ARG:N	1:200:A:ARG:CA	1:200:A:ARG:C	1:201:A:PHE:N	7	1.03
(1,80)	1:150:A:PHE:C	1:151:A:THR:N	1:151:A:THR:CA	1:151:A:THR:C	5	1.01